

Canadian Contractor Report of Hydrography and Ocean Sciences

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Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport canadien des entrepreneurs sur l'hydrographie et les sciences océaniques

Cette série se compose des rapports non publiés réalisés dans le cadre des projets scientifiques et techniques par des entrepreneurs travaillant pour le service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Le contenu des rapports traduit les opinions de l'entrepreneur et ne reflète pas nécessairement la politique officielle du ministère des Pêches et des Océans.

Le cas échéant, certains rapports peuvent être rédigés à nouveau de façon à être publiés dans une autre série du Ministère, ou à l'extérieur du Gouvernement.

Les rapports des entrepreneurs sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Contractor Report of
Hydrography and Ocean Sciences #5
1982

ALICE ARM 1981 CTD DATA
ACCESS GUIDE

by

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ABSTRACT

Nicoll, M. and D.J. Stucchi 1982. Alice Arm 1981 CTD Data Access Guide. Can. Contract. Rep. Hydrogr. Ocean Sci: 5: 76p.

From June 23 to September 12, 1981, more than eleven hundred Guildline digital CTD casts (conductivity, temperature, pressure and light transmission), plus various bottled samples were taken in Alice Arm and the adjoining waters, by personnel of the Institute of Ocean Sciences, Patricia Bay.

Interact Computing Services, under the supervision of D.J. Stucchi (Coastal Zone Oceanography, I.O.S.), performed the translation, editing and calibration of the data, producing 1034 calibrated files on tape, along with a number of computer programs for accessing the data.

This Guide describes the instruments, the processing procedure, the calibrations and the access programs, and includes indexes to the calibrated files and samples.

RÉSUMÉ

Nicoll, M. and D.J. Stucchi 1982. Alice Arm 1981 CTD Data Access Guide. Can. Contract. Rep. Hydrogr. Ocean Sci: 5: 76p.

Du 23 juin au 12 septembre, 1981, le personnel de l'Institut des sciences de la mer à Patricia Bay a réalisé plus de 1 100 palanquées Guildline CTD numériques (conductivité, température, pression et transmission de la lumière) et a prélevé différents échantillons mis en bouteille dans la bras Alice et les eaux adjacentes.

Interact Computer Services, sous la direction de D.J. Stucchi (Océanographie des zones côtières, ISM) a accompli la traduction, la préparation et l'étalonnage des données. On a ainsi produit 1 034 fichiers calibrés en plus d'un certain nombre de programmes informatiques pour l'accès aux données.

Ce manuel présente une description des instruments, de la méthode de traitement, de l'étalonnage et des programmes d'accès. Il comprend aussi des index des fichiers calibrés et des échantillons.

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1. SUMMARY OF DATA AVAILABLE

THE 1981 ALICE ARM CRASH PROGRAM DATA INCLUDES CTD CASTS TAKEN BETWEEN JUNE 23 AND SEPTEMBER 12 1981, WITH PASS NUMBERS 1 TO 1137. SEE THE LOCATION MAP AND NON-GRID STATION TABLE (SECTION 2) FOR THE STATION LOCATIONS.

THE DATA IS AVAILABLE AT THREE STAGES OF THE PROCESSING:

RAW DATA -

- ON TAPES LFG01 TO LFG22 (UNLABELLED)
- WRITTEN WITHOUT HEADERS BY THE HP2100 IN BLOCKS OF 256 16 BIT WORDS.
- 80 CHARACTER HEADERS CORRESPONDING TO THE RAW CASTS ARE IN ELEMENTS CTD-01 TO CTD-22 OF FILE TRANSLATION.

EDITED DATA -

- ON TAPES EDD01 TO ED22, LABELLED LFG*ED01. - LFG*ED22.
- WRITTEN IN 4 REAL WORD UNFORMATTED RECORDS, WITH 80 CHARACTER FILE HEADERS.
- SEE SECTION 3, 'DATA PROCESSING SUMMARY' FOR A FOR A DESCRIPTION OF THE PROCESSING DONE TO THIS STAGE.

CALIBRATED DATA -

- ON TAPES UO1097 AND UO1098, LABELLED LFG*AMCAL1. AND LFG*AMCAL2.
- AVERAGED TO ONE RECORD PER METRE, AND WRITTEN IN 7 REAL WORD UNFORMATTED RECORDS, WITH COMPLETE DETAILED HEADERS.
- BACKED UP ON TAPE UO0596 LABEL LFG*BACAL1. AND TAPE UO0597 LABEL LFG*BACAL2.

INDEXES -

- SEE APPENDICES C AND D FOR INDEXES IN STATION AND IN PASS ORDER TO ALL THE CALIBRATED DATA.

- ALSO, SEE LISTING FOLDER LABELLED:
ALICE ARM CRASH PROGRAM
CALIBRATED
CTD CAST INDEXES

FOR INDEXES IN STATION AND IN PASS ORDER TO ALL THE CALIBRATED DATA.

- SEE LISTING FOLDER LABELLED:
ALICE ARM CRASH PROGRAM
EDIT AND CALIBRATION
LISTINGS

THIS OUTPUT FROM THE EDIT AND CALIBRATION PROGRAMS INCLUDES LISTS OF THE CAST FILES PROCESSED, ALONG WITH ERROR AND DATA QUALITY STATISTICS - PROVIDING A KEY TO THE FILES ON THE RAW AND EDITED TAPES.

NOTES - HORIZONTAL TOWS, AND FILES WITH POOR DATA QUALITY WERE OMITTED AT THE EDITTING AND CALIBRATION STAGES. THE EDIT AND CALIBRATION LISTINGS MAKE CLEAR THE INCLUSIONS AND EXCLUSIONS.

- THE TAPE NAME IN THE HEADER RECORDS OF THE FIRST 538 FILES ON U01097 IS "U00123", BECAUSE TAPE U00123 WAS USED UNTIL IT WAS DISCOVERED THAT THE TAPE WAS UNRELIABLE.

2. ALICE ARM STATION MAP

ON THE FOLLOWING PAGE IS A MAP SHOWING THE LOCATION OF THE ALICE ARM GRID STATIONS AND MOST OF THE OTHER STATIONS. ON THE FILE HEADERS AND INDEX LISTINGS, ALICE ARM GRID STATIONS ARE IDENTIFIABLE BY THE SECOND CHARACTER OF THE STATION NAME BEING BLANK. E.G. STATION 'H7' IS IN HASTINGS ARM, BUT STATION 'H 07' IS AN ALICE ARM GRID STATION.

ALSO INCLUDED IS A LAT-LON TABLE OF ALL THE NON-GRID STATIONS, USED BY THE CALIBRATION PROGRAM TO GET THE LAT-LON FOR FILE HEADERS. NOTE THAT 'G5' WAS INCLUDED BECAUSE FCR PASS NO. 695, THE STATION NAME SHOULD HAVE BEEN TYPED 'G 05' (A GRID STATION). ALSO NOTE THAT STATIONS 'HA' AND 'YY' ARE TWO NAMES FOR THE SAME PLACE.

THE PLOT FILE TO PRODUCE THE MAP IS LFG*AAPLOT. IT WAS PRODUCED BY PROGRAM LFG*MEN.AAPLOT

ALSO AVAILABLE IS A CHART 3793 OVERLAY SIZE PLOT OF ALICE ARM WITH THE GRID LAYOUT. IT IS IN PLOT FILE LFG*GRIDPLOT., PRODUCED BY PROGRAM LFG*MEN.GRIDPLOT.

3. LIST OF NON-GRID STATIONS

STATION	LAT(N)	LONG(W)
OE	55 19.08	129 46.70
HA	55 25.07	129 43.07
K170	55 24.70	129 40.64
L 10.5	55 27.20	129 30.17
N 08.5	55 27.00	129 29.82
F167	55 25.20	129 40.11
B168	55 25.60	129 40.28
LL	55 25.25	129 46.00
MM	55 25.00	129 48.00
GS	55 27.70	129 29.20
YY	55 25.07	129 43.07
XX	55 19.08	129 46.70
GG	55 22.00	129 45.00
C 20	55 26.90	129 31.84
DP	55 16.40	129 48.60
MH	55 12.60	129 52.00
II	55 8.90	129 54.40
JJ	55 6.00	129 57.90
KK	55 0.70	130 1.20
KL	55 24.00	129 46.20
HA00	55 36.00	129 47.50
HA01	55 32.00	129 47.00
HA02	55 28.00	129 44.00
HA03	55 27.00	129 43.90
OB3B	55 12.00	129 52.40
OB2B	55 6.75	129 57.25
OB 1	54 59.60	130 2.35
P1 2	54 49.00	130 15.00
RED1	55 31.58	129 46.50
H1	55 37.03	129 48.00
H2	55 36.60	129 47.85
H3	55 36.00	129 47.60
H4	55 35.79	129 47.40
H4.5	55 34.70	129 47.85
H5	55 33.73	129 47.60
H6	55 32.41	129 47.02
H7	55 31.05	129 46.60
H9	55 28.50	129 44.90
H10	55 25.80	129 43.41
H11	55 23.30	129 42.75
H11.5	55 22.80	129 43.50
H12	55 22.05	129 45.30
H13	55 23.60	129 46.00
H14	55 25.10	129 46.70
H15	55 23.82	129 49.55
H16	55 22.76	129 49.56
H17	55 21.70	129 49.75

4. DATA PROCESSING SUMMARY

THE DATA WAS PROCESSED FROM CASSETTE THROUGH TO CALIBRATED 9 TRACK IN FOUR MAIN STEPS, AS FOLLOWS:

4.1 TRANSLATION

- THE CASSETTES FROM THE GUILDLINE CTD ARE TRANSLATED ON TO 9 TRACK TAPE ON THE OFFSHORE HP2100.

4.2 HP-UNIVAC CONVERSION:

- THE BLOCKS OF 256 16 BIT INTEGERS ARE READ FROM THE HP WRITTEN 9 TRACK & WRITTEN ON A UNIVAC FILE OF 256 36 BIT INTEGER RECORDS.
- THE INDIVIDUAL SCANS ARE IDENTIFIED AND THE DECODING AND BIT SWAPPING IS DONE TO PRODUCE AN INTEGER FOR PRESSURE, TEMPERATURE, CONDUCTIVITY AND PERCENT TRANSMISSION.
- SCANS WITH VOLTAGE REFERENCE ERRORS AND SHORT SCANS ARE COUNTED AND DISCARDED.
- PRELIMINARY CALIBRATIONS ARE DONE TO PRODUCE FOUR REAL NUMBERS.
- RANGE ERRORS ARE COUNTED.
- AN 80 CHARACTER HEADER RECORD IS PUT ON EACH FILE.

4.3 EDIT:

- ONE POINT LOOK-AHEAD DESPIKING IS DONE ON ALL FOUR CHANNELS. A MAXIMUM ALLOWED FIRST DIFFERENCE IS DEFINED FOR EACH CHANNEL. IF A VALUE IS MORE THAN THAT DIFFERENCE FROM THE PREVIOUS VALUE, THEN IF THE NEXT VALUE IS LESS THAN THE ALLOWED DIFFERENCE, THE CURRENT VALUE IS REPLACED BY THE AVERAGE OF THE PREVIOUS AND THE NEXT.
- A 25 POINT MOVING AVERAGE IS DONE ON THE PRESSURE CHANNEL.
- DATA GATHERED WHILE THE CTD WAS DESCENDING TOO SLOWLY OR NOT AT ALL, IS DISCARDED BY LOOKING 100 SCANS AHEAD ON THE PRESSURE CHANNEL. IF THE PRESSURE DIFFERENCE IN THE 100 SCANS IS GREATER THAN .5 DB, THEN DATA BEGINS TO BE ACCEPTED AT THE START OF THAT 100 SCAN SPAN. SIMILARLY, DATA ACCEPTANCE STOPS AT THE END OF A 100 SCAN SPAN WHICH HAS A PRESSURE DIFFERENCE OF LESS THAN .5 DB

4.4 CALIBRATION:

- SCANS WITH PRESSURE, TEMPERATURE OR CONDUCTIVITY RANGE ERRORS ARE DISCARDED. TRANSMISSION RANGE ERRORS ARE SET TO ZERO.
- CALIBRATIONS AND CALCULATIONS ARE DONE TO PRODUCE SEVEN VALUES PER SCAN: DEPTH, PRESSURE, SALINITY, TEMPERATURE, SIGMA-T, CONDUCTIVITY, RATIO AND PERCENT TRANSMISSION.
- THE DATA IS AVERAGED TO 1 RECORD PER METRE.
- STATION POSITIONS ARE CALCULATED OR LOOKED UP, AND COMBINED WITH OTHER HEADER INFO TO PRODUCE A DETAILED HEADER RECORD.

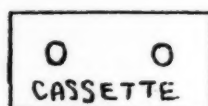
4.5 BAD DATA

NOTE THAT AT THE EDIT OR CALIBRATION STAGES, CASTS WHICH APPEARED TO HAVE LARGE AMOUNTS OF BAD DATA, AND HORIZONTAL TOWS, WERE OMITTED. 983 OF THE ORIGINAL 1137 CASTS WERE COMPLETED TO THE CALIBRATION STAGE, AND 51 MORE WERE SALVAGED FROM THOSE LEFT BEHIND (SEE NEXT PARAGRAPH), BRINGING THE TOTAL NUMBER OF CALIBRATED FILES TO 1034.

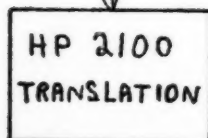
ALL THE BAD FILES LEFT AFTER BEING EDITTED WERE PLOTTED. ALMOST ALL THE PROBLEMS OCCUR IN THE CONDUCTIVITY CHANNEL. (SEE THE BINDER LABELLED '... FAULTY CAST PLOTS'.) FIFTY-ONE OF THESE FILES WERE CORRECTED BY EDITTING OUT SPIKES OF SHORT DURATION; BY DOING STRAIGHT LINE INTERPOLATIONS ACROSS LONG PERIODS OF CONDUCTIVITY NOISE; AND, IN A FEW CASES, BY DOING STRAIGHT LINE EXTRAPOLATIONS AT THE END OF THE CONDUCTIVITY CHANNEL.

THE 51 'REPAIRED' EDITTED FILES ARE ON TAPE U00264 (LABEL LFG*NU01). SEE THE SALVAGE LISTINGS AT THE END OF THE '...EDIT AND CALIBRATION LISTINGS' BINDER FOR A LIST OF THE FILES SALVAGED.

GUILDLINE CTD DATA PROCESSING



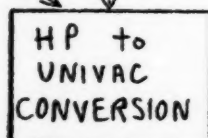
Phillips cassette produced on
Guildline CTD System.
(Audio headers)



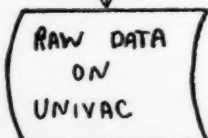
program :PR,AMAX
on Frozen Sea July 81 disk 91\$\$



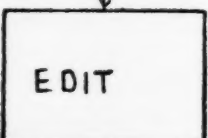
raw data - free form headers on
tapes LFG21 & LFG22 only.
9 track tapes LFG01 - LFG22



programs NEW or NEW-X
or subroutines SUBNEW, SUBNEW-X or
SUBNEW-H.



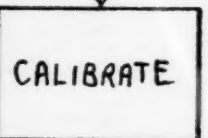
UNIVAC unformatted raw data with
80 character headers.
(this is a temporary file if
program MAINEDIT is used)



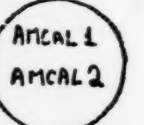
program EDIT or subroutine SUBEDIT



9 track tapes ED01 - ED22
edited data with 80 character headers.



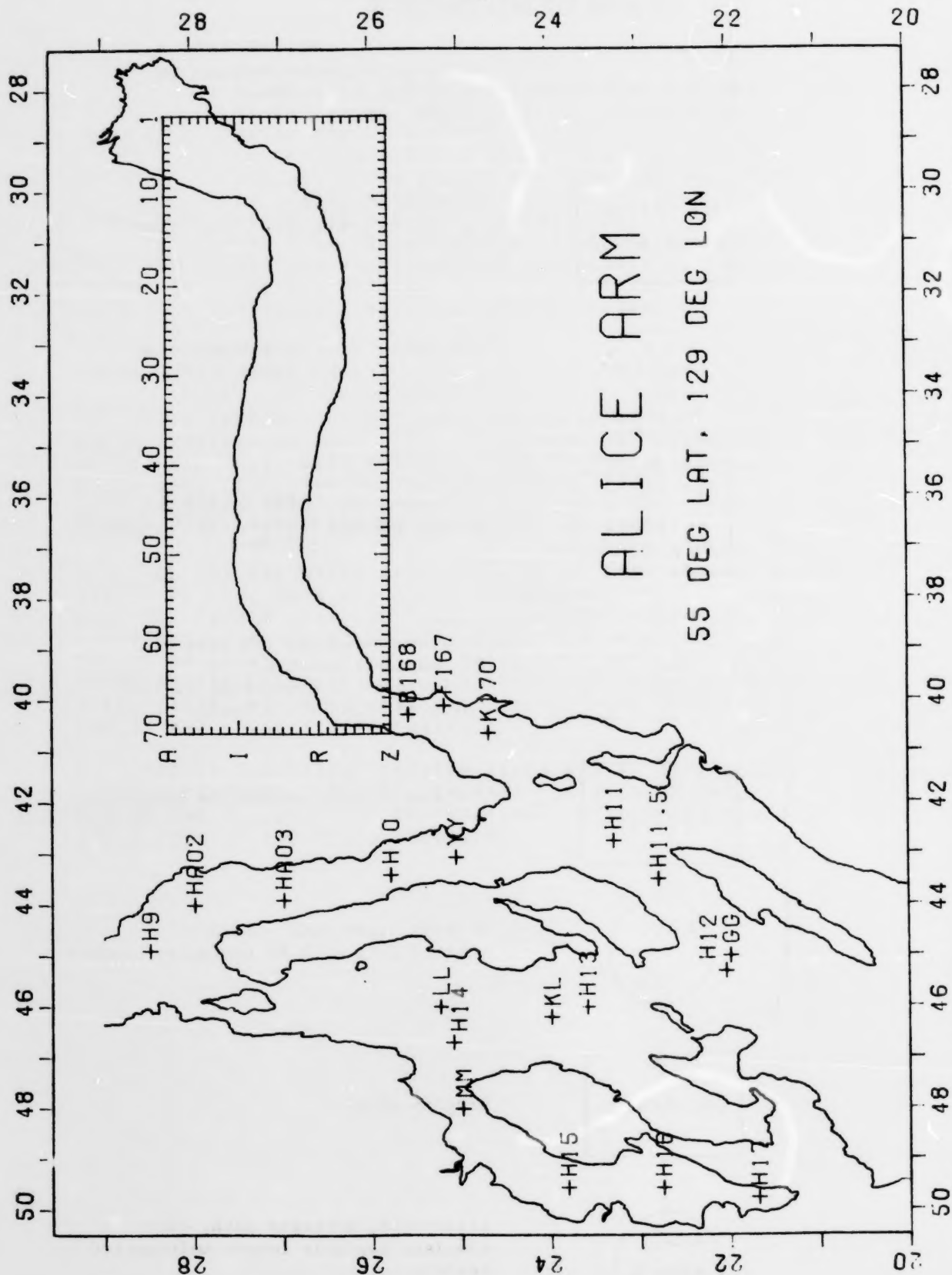
program AMCAL



calibrated, averaged data, with
complete variable length unformatted
headers.
tapes U01097(AMCAL1) & U01098(AMCAL2)

80 CHAR.
HEADERS

functions
performed by
program
MAINEDIT



5. INSTRUMENTS

GUILDLINE DIGITAL CTD INSTRUMENT NUMBERS:

FSRG CTD #4, NO. 42306

TEMPERATURE SENSOR #42741

PRESSURE SENSOR #513578

CONDUCTIVITY SENSOR #41671 BEFORE JULY 10, 1981
PASS NUMBERS 1 - 224#45604 JULY 10 ONWARD
PASS NUMBERS 225 - 1137SEATECH TRANSMISSOMETER #78 PASS NUMBERS 1 - 51
#81 PASS NUMBERS 1 - 696
#78 PASS NUMBERS 697 - 1137

6. CALIBRATIONS

SOME CALIBRATIONS WERE APPLIED AT THE DECODING, CONVERSION TO UNIVAC STAGE (PROGRAM 'NEW'), AND THE REST IN THE CALIBRATION PROGRAM ('AMCAL'). IN THE FOLLOWING EQUATIONS, CALCULATIONS ENCLOSED IN PARENTHESES WERE DONE AT THE DECODING STAGE.

6.1 PRESSURE (PN = RAW PRESSURE NUMBER)

$$\text{PRESSURE} = \text{OFFSET} + 0.995 * (.23 + 3.75E-4 * \text{PN})$$

WHERE THE OFFSET DEPENDS UPON THE PASS NUMBER, AS FOLLOWS:

OFFSET	PASS NUMBER RANGE
.111	1 - 65
-1.049	66 - 147
-1.192	148 - 257
-1.961	258 - 361
-3.013	362 - 456
-2.828	457 - 560
-1.555	561 - 658
-1.789	659 - 761
-1.277	762 - 838
-1.576	839 - 913
-1.611	914 - 1004
-1.603	1005 - 1137

6.2 CONDUCTIVITY RATIO (CN IS THE RAW COND. NUMBER)

$$\text{COND} = F * (\text{CN} * 6.25E-6)$$

WHERE F = .99948 FOR PASS NUMBERS 1 - 224
F = 1.09482 FOR PASS NUMBERS 225 - 1137

6.3 TEMPERATURE (TN IS THE RAW TEMPERATURE NUMBER)

$$\text{TEMP} = (\text{TN} * 2.5E-4)$$

6.4 SALINITY

SALINITY IS CALCULATED ACCORDING TO THE IAPSO 'PRACTICAL SALINITY SCALE', USING ROUTINE SAL IN C STL*LIB.

6.5 SIGMA-T

SIGMA-T IS CALCULATED USING ROUTINE SIGMAT IN
CSTL*LIB, ACCORDING TO KNUDSEN'S RELATIONS AS GIVEN
BY FOFONOFF (1962) (PHYSICAL PROPERTIES OF SEA
WATER, THE SEA, VOL.1 PAGE 9)

6.6 PERCENT TRANSMISSION (TRN IS RAW TRANS. NUMBER)

TRANS = (.04 + .048828 * TRN)

IT SHOULD BE NOTED THAT THE TRANSMISSOMETER WAS LOCATED 0.4 METRES ABOVE THE CTD SENSORS.

6.7 DEPTH

DEPTH IS CALCULATED BY THE NUMERICAL INTEGRATION OF THE HYDROSTATIC PRESSURE EQUATION.

6.8 ACCURACY

CALIBRATION CONSTANTS FOR PRESSURE, TEMPERATURE AND CONDUCTIVITY SENSORS WERE OBTAINED FROM THE FROZEN SEA RESEARCH GROUP. HOWEVER THE CONDUCTIVITY SENSOR WAS REPLACED AT PASS NUMBER 225 AND THE NEW CELL CONSTANT, F, WAS COMPUTED USING SALINITY CALIBRATION SAMPLES OBTAINED IN THE FIELD. CALIBRATION CONSTANTS FOR THE TRANSMISSOMETER WERE OBTAINED FROM THE MANUFACTURER OF THE INSTRUMENTS.

ACCURACY FOR THE SENSORS AS SPECIFIED BY THE MANUFACTURER IS TABLED BELOW:

CONDUCTIVITY +- 0.005% * (EXPRESSED AS
EQUIVALENT SALINITY)

TEMPERATURE ± 0.005 DEG. C

PRESSURE $\pm 0.15\%$ FSP (± 2.3 DB)

TRANSMISSION $\pm 0.5\%$

* CHECKS ON THE SALINITY CALIBRATION WERE PERFORMED BY TAKING IN SITU SALINITY SAMPLES COINCIDENT WITH DATA FROM THE CTD. THE RESULTS OF THESE CALIBRATION CHECKS INDICATE A SAMPLE STANDARD DEVIATION OF $\pm 0.009\%$ BETWEEN THE SALINITY OF THE THE SAMPLE AS DETERMINED FROM AN AUTOSAL BENCH SALINOMETER AND THE SALINITY AS DETERMINED FROM THE CTD. THIS STATISTIC IS BASED ON 22 SAMPLES.

7. DATA ACCESS PROGRAMS.

1. PUBLISH	LIST CALIBRATED DATA
2. PUB-LIST2	" " "
3. CALPRINT & CALSUMRY	" " "
4. NEWPROF	PLOT CALIBRATED DATA
5. UTILITY PROGRAMS	ACCESS UNCALIBRATED DATA

7.1 FSRG.PUBLISH

THIS PROGRAM LISTS CTD FILES AT STANDARD DEPTHS IN A FORMAT SUITABLE FOR PUBLICATION. IF THERE IS ANY DISSOLVED OXYGEN DATA, IT IS LISTED WITH THE CTD DATA AT THE SAMPLE DEPTH. THE PERCENT TRANSMISSION COLUMN IS OPTIONAL.

INPUT

1. NUMBER OF FILES TO BE LISTED (INTEGER)
2. FILE NUMBER OF THE FIRST FILE (INTEGER)
3. T OR F : T WILL CAUSE A PERCENT TRANSMISSION COLUMN TO BE PRINTED.

INPUT IS FREE FORM.

EXECUTION RUNSTREAM

LFG*RUN-AMAX.PUBLISH-FSRG

@RUN,/R PUBLSH,C20/LFG,,99,890

@SYM PRINTS,,PG1

@PRT RUN-AMAX.PUBLISH-FSRG

@HDG,N *

@HDG,N * PUBLICATION LISTINGS FOR ALICE ARM PROJECT

@HDG,N *

@HDG,N *****

@HDG,N *

@HDG,N * THE CALIBRATED ALICE ARM DATA TAPES *

@HDG,N *

@HDG,N * REEL NO LABEL FILES *

@HDG,N * U01097 LFG*AMCAL1 563 *

@HDG,N * U01098 LFG*AMCAL2 420 *

@HDG,N *

@HDG,N *****

@HDG,N *

@HDG,N * INPUT IS THE 3 VARIABLES (FREE FORMAT)

@HDG,N * NUMBER OF STATIONS, TAPE FILE TO START AT,

@HDG,N * TRANSMISSION.

@HDG,N *

@HDG,N * SPECIAL FORMS REQUEST FOLLOWS

@HDG,N *

@HDG,N .S,BLANK PAPER,DARK RIBBON

@ASG,AZ FSRG.

@ASG,T LFG*AMCAL2.,U9V,U01098

@USE INPUT.,LFG*AMCAL2.

@USE 11.,INPUT.

@REWIND 11.

@XQT FSRG.PUBLISH

420 1 T

@FREE INPUT.

@ASG,T LFG*AMCAL1.,U9V,U01097

@USE INPUT.,LFG*AMCAL1.

@USE 11.,INPUT.

@REWIND 11.

@XQT FSRG.PUBLISH

563 1 T

@FREE INPUT.

SAMPLE FSRG.PUBLISH OUTPUT

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: CO ALICE ARM CRASH PGM

LAT N 55 24.70

DATE 10/ 8/81

TIME (PST) 1753

TAPE: U01098 -0001

LONG W 129 40.64

PASS NO.691

STN: K170

DEPTH	PRESS	SAL	TEMP	SIGMA-T	TRANSMISSION
2.5	2.5	14.98	15.37	10.60	57.40
5.0	5.0	15.33	14.89	10.96	59.34
10.0	9.9	22.56	10.86	17.19	75.68
15.0	14.9	28.15	8.35	21.89	83.80
20.0	19.9	29.10	7.98	22.68	85.26
25.0	25.0	29.57	7.70	23.09	85.96
30.0	30.0	29.63	7.65	23.14	86.15
35.0	35.0	29.86	7.52	23.34	86.28
40.0	40.0	30.00	7.49	23.45	86.06
45.0	45.0	30.09	7.44	23.53	85.90
50.0	50.1	30.17	7.48	23.59	85.74
60.0	60.1	30.28	7.43	23.68	85.18
70.0	70.2	30.37	7.41	23.76	83.81
76.0	76.2	30.41	7.40	23.78	82.65

7.2 FSRG.PUB-LIST2

THIS PROGRAM IS AN ALTERNATIVE TO FSRG.PUBLISH. THE LAYOUT OF THE HEADER INFORMATION DIFFERS, AND DISSOLVED OXYGEN DATA, IF PRESENT, IS PRINTED WITH THE HEADER INFO.

THE MAIN PURPOSE OF PUB-LIST2 IS THAT IT PROVIDES THE OPTION OF LISTING, IN PUBLISHABLE FORM, DATA IN SPECIFIED DEPTH RANGES INSTEAD OF ONLY AT STANDARD DEPTHS. ALSO, NON-CONSECUTIVE FILES CAN BE SELECTED IN ONE RUN.

INPUT

- 1: ENTER THE NUMBER OF FILES, FOLLOWED BY UP TO 50 FILE NUMBERS IN INCREASING ORDER. (INTEGERS)
- 2: ENTER 'STANDARD' OR 'RANGES', LEFT JUSTIFIED AND WITHOUT QUOTES, TO SELECT LISTINGS AT STANDARD DEPTHS OR AT THE DEPTH RANGES SPECIFIED ON THE NEXT LINE:
- 3: ENTER THE NUMBER OF RANGES (INTEGER), FOLLOWED BY UP TO 10 PAIRS OF DEPTHS SPECIFYING THE RANGES IN WHICH DATA IS TO BE LISTED (REALS).

EXECUTION RUNSTREAM

LFG*RUN-AMAX.PUB-LIST2

```

@RUN,/R PUBLST,C20/LFG,,30,50
@SYM PRINTS,,RBVIC1
@ASG,TV AMCAL2.,T,U01098
@USE 11.,AMCAL2.
@ASG,U 7.
@XQT FSRG.PUB-LIST2
6  1 2 3 10 11 20
STANDARD
@FREE 7.
@SYM 7.,,RBVIC1
@FIN

```

..... OR

```

@RUN,/R PUBLST,C20/LFG,,30,50
@SYM PRINTS,,RBVIC1
@ASG,TV AMCAL2.,T,U01098
@USE 11.,AMCAL2.
@ASG,U 7.
@XQT FSRG.PUB-LIST2
6  1 2 3 10 11 20
RANGES
3  0. 10.  35. 40.  60. 75.5
@FREE 7.
@SYM 7.,,RBVIC1
@FIN

```

SAMPLE FSRG.PUB-LIST2 OUTPUT (STANDARD)

COASTAL ZONE OCEANOGRAPHY

CRUISE: 00	ALICE ARM CRASH PGM	TAPE: U01098
LAT: 55 24.70		FILE 1
LON: 129 40.64		PASS: 691
DATE: 81/ 8/10		STN : K170
TIME: 1753 GMT		

DEPTH	PRESS	SAL	TEMP	SIGMA-T	TRANS
2.5	2.5	14.97	15.37	10.60	57.39
5.0	5.0	15.33	14.88	10.96	59.33
10.0	9.9	22.55	10.86	17.18	75.67
15.0	14.9	28.15	8.35	21.89	83.80
20.0	19.9	29.09	7.97	22.68	85.25
25.0	25.0	29.57	7.70	23.09	85.95
30.0	30.0	29.62	7.65	23.14	86.14
35.0	35.0	29.85	7.51	23.33	86.28
40.0	40.0	29.99	7.48	23.45	86.05
45.0	45.0	30.09	7.44	23.53	85.89
50.0	50.1	30.17	7.48	23.58	85.73
60.0	60.1	30.27	7.42	23.68	85.17
70.0	70.2	30.37	7.41	23.75	83.81
MAX DEPTH	76.0				

SAMPLE FSRG.PUB-LIST2 OUTPUT (RANGES)

COASTAL ZONE OCEANOGRAPHY

CRUISE: GO	ALICE ARM CRASH PGM	TAPE: U01098
LAT: 55 24.70		FILE 1
LON: 129 40.64		PASS: 691
DATE: 81/ 8/10		STN : K170
TIME: 1753 GMT		

DEPTH	PRESS	SAL	TEMP	SIGMA-T	TRANS
2.5	2.5	14.97	15.37	10.60	57.39
2.9	2.8	14.84	15.32	10.51	59.69
4.0	4.0	15.25	15.01	10.88	59.60
5.0	5.0	15.33	14.88	10.96	59.33
6.0	6.0	15.71	14.73	11.28	60.51
7.0	6.9	17.59	13.59	12.91	62.54
8.0	7.9	20.35	11.92	15.31	63.84
9.0	8.9	21.97	11.12	16.69	64.41
36.0	36.0	29.89	7.49	23.37	86.24
37.0	37.0	29.92	7.49	23.39	86.12
38.0	38.0	29.92	7.49	23.39	86.13
39.0	39.0	29.97	7.51	23.42	86.08
40.0	40.0	29.99	7.48	23.45	86.05
60.0	60.1	30.27	7.42	23.68	85.17
61.0	61.1	30.29	7.42	23.69	84.94
62.0	62.1	30.31	7.42	23.70	84.77
63.0	63.1	30.32	7.42	23.71	84.20
64.0	64.1	30.33	7.42	23.72	83.67
65.0	65.1	30.33	7.42	23.72	83.69
66.0	66.1	30.33	7.42	23.72	83.74
67.0	67.2	30.33	7.42	23.72	83.99
68.0	68.2	30.35	7.41	23.74	84.05
69.0	69.1	30.36	7.41	23.75	83.99
70.0	70.2	30.37	7.41	23.75	83.81
71.0	71.2	30.37	7.40	23.76	83.71
72.0	72.2	30.38	7.40	23.76	83.73
73.0	73.2	30.39	7.40	23.77	83.54
74.0	74.2	30.40	7.39	23.78	83.15
75.0	75.2	30.40	7.39	23.78	82.82

7.3 MEN.CALPRINT & MEN.CALSUMRY

THESE LISTING PROGRAMS PRODUCE MORE HEADER INFORMATION THAN PUBLISH OR PUB-LIST2, AND THE DATA LISTINGS INCLUDE THE CONDUCTIVITY CHANNEL. CALPRINT WILL LIST ALL THE DATA RECORDS IN ONE SPECIFIED DEPTH RANGE, AND CALSUMRY PRINTS ONLY THE FIRST AND LAST RECORDS OF THE FILE.

THESE PROGRAMS ARE SET UP TO RUN IN DEMAND MODE. ASSUMING YOU WANT TO SEE THE THIRD FILE OF AMCAL2:

```
@ASG,TV AMCAL2.,T,U01098
@USE 11.,AMCAL2
@MOVE 11.,2
@XQT MEN.CALSUMRY
```

CALIBRATED DATA LISTING

CALSUMRY

CRUISE: CO ALICE ARM CRASH PGM TAPE: U01098 FILE: 0
 LAT: 55 24.70
 LON: 129 40.64
 DATE: 81/ 8/10
 TIME: 1753
 INSTRMNT FSRG CTD#4 NO.42306 CN45604, T#42741, P#513578, SEATECH TRANS #81 AIROLD=4.81
 COMMENTS

STM : K170
 PASS: 691
 #D02: 0

PEC	DEPTH	PRESSURE	SALINITY	TEMP	SIGMA-T	COND.	TRANS
1	2.47	2.45	14.97	15.37	10.60	.4669	57.395
75	76.01	76.20	30.40	7.39	23.78	.7323	82.646

CALIBRATED DATA LISTING

CALPRINT

CRUISE: CO ALICE ARM CRASH PGM TAPE: U01098 FILE: 0
 LAT: 55 24.70
 LON: 129 40.64
 DATE: 81/ 8/10
 TIME: 1753
 INSTRMNT FSRG CTD#4 NO.42306 CH45604, TA42741, P#513578, SEATECH TRANS #81 AIROLD=4.81
 COMMENTS

STN : K170
 PASS: 691
 #D02: 0

REC	DEPTH	PRESSURE	SALINITY	TEMP	SIGMA-T	COND.	TRANS
1	2.47	2.45	14.97	15.37	10.60	.4669	57.395
2	2.87	2.85	14.84	15.32	10.51	.4627	59.685
3	4.00	3.97	15.25	15.01	10.88	.4709	59.601
4	5.01	4.97	15.33	14.88	10.96	.4717	59.335
5	6.00	5.95	15.71	14.73	11.28	.4806	60.513
6	7.01	6.95	17.59	13.59	12.91	.5185	62.545
7	8.00	7.94	20.35	11.92	15.31	.5691	63.836
8	9.00	8.94	21.97	11.12	16.69	.5988	64.410
9	10.01	9.94	22.55	10.86	17.18	.6094	75.675
10	11.00	10.93	24.15	10.13	18.53	.6367	77.862
11	12.01	11.94	25.91	9.32	20.01	.6652	76.028
12	13.01	12.94	26.71	9.00	20.67	.6783	80.398
13	14.00	13.93	27.58	8.60	21.41	.6911	82.755
14	14.98	14.92	28.15	8.35	21.89	.6995	83.796
15	15.99	15.93	28.35	8.27	22.05	.7026	84.650

4. MEN.NEWPROF PROFILE PLOTTING

PROFILES CAN BE PLOTTED ON A LINEAR DEPTH SCALE WITHIN SPECIFIED DEPTH BOUNDS, OR ON A LOG10 LEPTH SCALE FROM 1 TO 1000 METRES.

INPUT PARAMETERS

CARD ----	NAME -----	TYPE ----	DESCRIPTION -----
1.	RL	I	- RECORD LENGTH (NUMBER OF DATA CHANNELS)
	ITFL	I	- NORMALLY 6, BUT MAY = XCHAN
			- TIME FLAG, =1 IF THE CAST TIME IS TO BE PLOTTED AT THE END OF EACH PROFILE.
			- = 2 TO GET THE PASS # AT END OF PROFILE
			- (OTHERWISE 0)
2.	YTTL	C	- TITLE, UP TO 60 CHARACTERS, IN QUOTES.
	SCAL	C	- SECOND TITLE, UP TO 20 CHARS. IN QUOTES.
3.	YCHAN	I	- CHANNEL NUMBER OF Y AXIS (1 FOR DEPTH)
	YAX	R	- Y (DEPTH) AXIS LENGTH, IN INCHES
	PMAX	R	- MAXIMUM DEPTH
	PMIN	R	- MINIMUM DEPTH (GE 1 FOR LOG SCALE)
4.	XCHAN	I	- DATA CHANNEL TO BE PROFILED:
			2 PRESSURE
			3 SALINITY
			4 TEMPERATURE
			5 SIGMA T
			6 CONDUCTIVITY
			(7 TRANSMISS.)
	XSCALE	R	- UNITS OF DATA PER INCH
	XREF	R	- DATA VALUE USED AS PLOTTING REFERENCE.
			THIS POINT IS MARKED ON AND BELOW EACH PROFILE WITH A "+".
	XMIN	R	- DATA VALUES LESS THAN XMIN ARE NOT PLOTTED
	XSTART	R	- DISTANCE IN INCHES FROM THE DEPTH AXIS TO THE XREF POINT ON THE FIRST PROFILE
	OFFSET	R	- SEPARATION, IN INCHES, OF XREF POINTS OF THE PROFILES.
5.	NF	I	- NUMBER OF FILES TO BE PLOTTED
	FILES	I	- UP TO 50 FILE NUMBERS
6.	LOGLIN	C	- EITHER LOG OR LIN IN POSITIONS 1-3, TO SPECIFY DEPTH SCALE TYPE
7.	NGP	I	- NUMBER OF "GUIDE POINTS" TO BE PLOTTED (MAXIMUM 10)
	XGP,YGP	R	- COORDINATE PAIRS (IN INCHES FROM THE BASE OF THE DEPTH AXIS) OF THE GUIDE POINTS TO BE PLOTTED. (A GUIDE POINT IS A .3 IN. "+" PLOTTED TO HELP LINE UP PAPER CUTTER ETC.)

MEN.NEWPROF MAPPING RUNSTREAM**LF6*MRUN.M-NEWPROF**

**BMAP,IE ,PEN.NEWPROF
IN MEN.NEWPROF
IN MEN.DAXIS
IN MEN.SKIP
LIB UBC*LIB
LIB PLOT*LIB
END**

MEN.NEWPROF EXECUTION RUNSTREAM

LFG*MRUN.X-NEWPROF

@ASG,A L10.

@USE 9.,L10.

@XQT MEN.NEWPROF

7 2

'ALICE ARM STATION L10 JULY 6-17, 1981'

'PERCENT TRANSMISSION'

1 5. 200. 0.

7 75. 70. 0. 1.3 .75

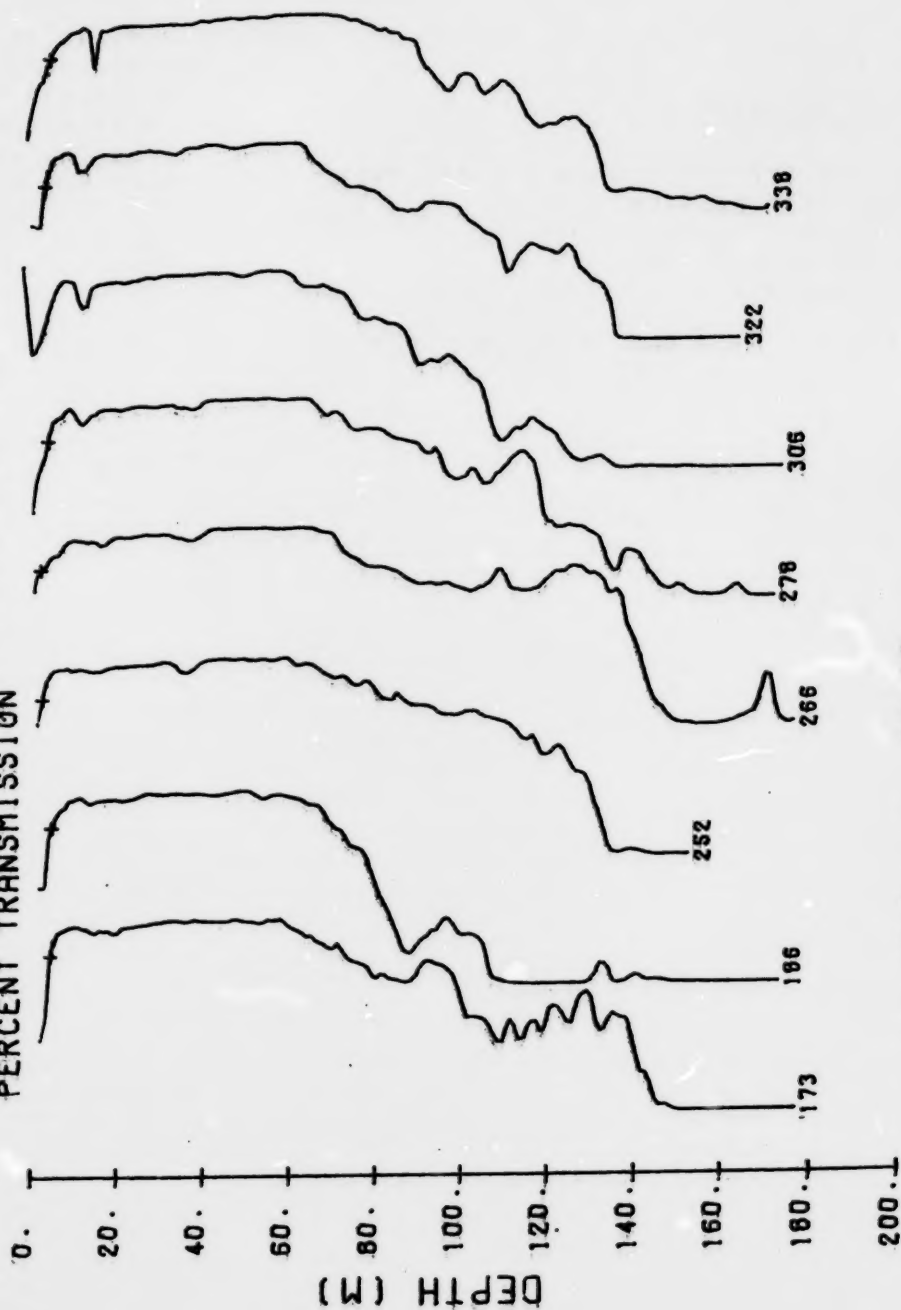
8 1 2 3 4 5 6 7 8

LIN

4 -1.3 -.7 -1.3 5.8 7.7,5.8 7.7 -.7

ALICE ARM STATION L10 JULY 6-17, 1981

PERCENT TRANSMISSION



1 = 1 UNIT + = 70.00

+ + + + + + +

7.4 UTILITY PROGRAMS

THERE ARE A NUMBER OF PROGRAMS IN FILE MEN. FOR LISTING AND PLOTTING THE 4 CHANNEL UNCALIBRATED FILES. THE PROGRAMS ARE LISTED AND DETAILED IN SECTION 10 OF THE PROGRAMMER AND USERS GUIDE.

8. TAPE SUMMARY

REEL ----	LABEL -----	CONTENTS -----
U01097	LFG*AMCAL1.	FIRST 563 CALIBRATED FILES PASS NOS. 1 - 689
U01098	LFG*AMCAL2.	471 CALIBRATED FILES PASS NOS. 690 - 1137 PLUS 51 SALVAGED FILES.
ED01 TO ED22	LFG*ED01. TO LFG*ED22.	22 TAPES OF EDITED DATA CORRESPONDING TO THE RAW DATA TAPES.
LF601 TO LF622	LFG*LF601. TO LFG*LF622.	22 RAW DATA TAPES.
U00264	LFG*NU01.	51 EDITED FILES SALVAGED FROM THE EDITED TAPES AND CLEANED UP.
U00989	LFG*NEW-CTD-CAL.	94 CALIBRATED PRODAS FILES (COMPATIBLE WITH AMCAL182)
U00124	LFG*AA-CTD-CAL.	SAME AS U00989, BUT IN HP FORMAT.
U00596	LFG*BACAL1.	BACKUP COPY OF U01097
U00597	LFG*BACAL2.	BACKUP COPY OF U01098
U00008	LFG*AMAX-BACKUP.	SOFTWARE BACKUP. (1200 FT)

APPENDIX A
-----FIELD PERSONNEL

SCIENTIST	TECHNICIAN	START DATE AND PASS NO.
R. LAKE	R. COOKE	81/06/23 1
R. LAKE	B. MINKLEY	81/06/30 90
L. GIOVANNI	B. MINKLEY	81/07/03 125
L. GIOVANNI	G. JEWSBURY	81/07/07 175
T. MURTY	G. JEWSBURY	81/07/10 225
G. GARRET	G. JEWSBURY	81/07/17 327
A. CORNFORD	G. JEWSBURY	81/07/24 426
R. PERKINS	G. JEWSBURY	81/07/31 525
R. PERKINS	ANDREW LEE	81/08/04 588
H. FREELAND	ANDREW LEE	81/08/06 625
H. FREELAND	R. FORBES	81/08/11 695
D. MACKAS	R. FORBES	81/08/14 738
D. MACKAS	G. JEWSBURY	81/08/18 793
K. DENMAN	G. JEWSBURY	81/08/22 834
H. MELLING	G. JEWSBURY	81/08/29 904
R. THOMSON	G. JEWSBURY	81/09/05 1006
	G. JEWSBURY	81/09/11 1109

APPENDIX B
-----LOG OF ALICE ARM SAMPLES 1981

PAGE 1

PASS	STATION	DATE	TYPE	SAMPLE NUMBER	DEPTH(DB)	REMARKS
48	019	JUN 26	WATER	DISH NO. 5	80.5	FILTRD 1500ML
56	P25	JUN 27	SALINITY	1,2,3	208	
58	019	JUN 27	WATER	10		1350 ML
58	019	JUN 27	OPTICAL	124		200 ML
73	019	JUN 28	WATER		82.7	
92	019	JUN 30	WATER	AA3,AA4(BLK)	86	1000 ML
92	019	JUN 30	OPTICAL	M109	86	200 ML
92	019	JUN 30	SALINITY	01,02,03	86	
97	M9	JUN 30	WATER	AA5,AA6(BLK)	93	1000 ML
97	M9	JUN 30	OPTICAL	M129	93	200 ML
117	019	JUL 2	WATER	AA9,AA10(BLK)	90	1000 ML
117	019	JUL 2	OPTICAL	AA1	90	250 ML
139	019	JUL 4	WATER		88	(X2)
139	019	JUL 4	SALINITY		88	(X3)
161	019	JUL 6	WATER		102	(X2)
261	019	JUL 12	WATER		90	
262	N14	JUL 12	SALINITY		107	(X3)
264	013	JUL 12	WATER		90	
291	N14	JUL 14	WATER		14	
291	N14	JUL 14	WATER		101	
291	N14	JUL 14	WATER		SURFACE	
321	N14	JUL 16	WATER		16	
321	N14	JUL 16	WATER		100	
336	013	JUL 17	SALINITY	336 A,B,C	13	
336	013	JUL 17	SALINITY	336 D,E,F	180	
343	013	JUL 18	WATER		0	(X2)
346	013	JUL 18	WATER		94	(X2)
349	013	JUL 18	WATER		192	(X2)
349	013	JUL 18	SALINITY	349 A,B,C	192	(X3)
368	M9	JUL 19	WATER		90	(X2) (42%T)
368	M9	JUL 19	SALINITY	368 A,B,C	90	(X2)
369	013	JUL 19	WATER		99	(X2) (33%T)
370	019	JUL 19	WATER		93	(X2) (68%T)
400	66	JUL 21	SALINITY	400 A,B,C	70	(X3)
407	013	JUL 22	WATER	EPS #1	88	LEGAL SAMPLE
408	013	JUL 22	WATER	EPS #2	0	
409	013	JUL 22	WATER	EPS #3	50	
408	013	JUL 22	SALINITY	408 A,B,C	0	
412	019	JUL 22	WATER	EPS #4	82	
413	019	JUL 22	WATER	EPS #5	0	
413	019	JUL 22	WATER	EPS #6	30	
414	N32	JUL 22	WATER	EPS #7	79	LEGAL SAMPLE
414	N32	JUL 22	WATER	EPS #8	0	
429	M9	JUL 24	WATER		94	(X2) (58%T)

LOG OF ALICE ARM SAMPLES 1981

PAGE 2

PASS	STATION	DATE	TYPE	SAMPLE NUMBER	DEPTH(DB)	REMARKS
429	M9	JUL 24	WATER		35	(X2) (863T)
429	M9	JUL 24	WATER		0	(X2)
435	019	JUL 24	WATER		90	(X2)
435	019	JUL 24	WATER		40	(X2)
435	019	JUL 24	WATER		0	(X2)
497	GG	JUL 28	SALINITY	497 A,B,C	15	(X3)
497	GG	JUL 28	SALINITY	497 D,E,F	182	(X3)
497	GG	JUL 28	SALINITY	497 G,H,I	50	(X3)
592	N14	JUL 31	SALINITY	529 A,B,C	103	(X3)
533	L10	JUL 31	WATER		173	(X2) (08T)
548	N14	AUG 1	SALINITY	548 A,B,C	100	(X3)
578	K170	AUG 3	SALINITY		81	
593	013	AUG 4	SALINITY		80	
595	020	AUG 4	SALINITY		84	
601	U67	AUG 5	WATER		108	
604	GG	AUG 5	SALINITY		124	
614	019	AUG 6	WATER		82	
616	016	AUG 6	?		216	
649	N32	AUG 8	SALINITY		253	
719	DP	AUG 12	SALINITY		98	
750	P33	AUG 14	SALINITY		271	
751	N32	AUG 14	PLANKTON			
758	013	AUG 15	PLANKTON			
760	019	AUG 15	PLANKTON			
762	P25	AUG 15	PLANKTON			
763	R26	AUG 15	SALINITY		267	
766	M40	AUG 15	PLANKTON			
768	M53	AUG 15	PLANKTON			
769	R61	AUG 16	PLANKTON			
771	V66	AUG 16	SALINITY		114	
772	M65	AUG 16	SALINITY		120	
773	K170	AUG 16	PLANKTON			
774	YY	AUG 16	PLANKTON			
775	GG	AUG 16	PLANKTON			
776	XX	AUG 16	PLANKTON			
777	HA	AUG 16	PLANKTON			
782	G5	AUG 17	PLANKTON			
783	K7	AUG 17	PLANKTON			
784	N8	AUG 17	SALINITY		86	
785	M9	AUG 17	PLANKTON			
787	013	AUG 17	PLANKTON			
			CHLOROPHYLL			
			SALINITY		182	
790	019	AUG 17	PLANKTON			
792	N3	AUG 17	PLANKTON			
793	YY	AUG 18	PLANKTON			

LOG OF ALICE APM SAMPLES 1981

PAGE 3

PASS	STATION	DATE	TYPE	SAMPLE NUMBER	DEPTH(DB)	REMARKS
794	HA2	AUG 18	PLANKTON			
795	HA3	AUG 18	PLANKTON			
796	U67	AUG 18	PLANKTON			
797	V66	AUG 18	SALINITY		138	
		AUG 19	LEGAL SAMPLES FOR EPS			
			LIME CR, ROUNDY CR,			
			KITSALT R., ILLIANCE R.			
804	G5	AUG 19	EPS		16,92,0	
805	N8	AUG 19	EPS		28,76,0	LEGAL SAMPLE
809	013	AUG 19	EPS		30,70,0	LEGAL SAMPLE
811	019	AUG 19	EPS		30,75,0	LEGAL SAMPLE
812	N32	AUG 19	EPS		30,76,0	LEGAL SAMPLE
813	K7	AUG 20	PLANKTON			
815	M9	AUG 20	PLANKTON			
817	013	AUG 20	PLANKTON			
819	019	AUG 20	PLANKTON			
820	N32	AUG 20	PLANKTON			
821	M40	AUG 20	PLANKTON			
822	M53	AUG 20	PLANKTON			
823	P25	AUG 20	SALINITY	823 A-C	264	
829	013	AUG 21	PLANKTON			
832	019	AUG 21	PLANKTON			
841	V66	AUG 23	PLANKTON			
842	M40	AUG 23	PLANKTON			
844	013	AUG 23	SALINITY	844 A-C	182	
845	L10	AUG 23	PLANKTON			
846	M9	AUG 23	PLANKTON			
852	N8	AUG 24	PLANKTON			
862	V66	AUG 25	PLANKTON			
869	M9	AUG 25	PLANKTON			
873	HA0	AUG 26	PLANKTON			
874	HA1	AUG 26	PLANKTON			
875	HA2	AUG 26	PLANKTON			
884	P25	AUG 27	PLANKTON			
890	M9	AUG 27	PLANKTON			
893	K7 -					
	M9 -					
	P12	AUG 27	PLANKTON			
894	M9	AUG 28	PLANKTON			
899	P12	AUG 28	SALINITY	899 A-C	128	
903	M40	AUG 28	PLANKTON			
933	P25	AUG 30	SALINITY	933 A-C	282	
943	MM	AUG 31	SALINITY			
			& WATER	943 A-C	82	
965	M53	SEP 2	SALINITY	965 A-C	322	
982	013	SEP 3	SALINITY	982 A-C	188	
	RED1	SEP 7	WATER	AA17		500ML FILTERED
	H7	SEP 7	WATER	AA16		100ML FILTERED
1138	P1 1	SEP 12	SALINITY	1138 A-C		

APPENDIX C

INDEX TO CALIBRATED CTD CASTS - PASS ORDER

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
K 44	U01097	1	810623	2105	1	55 27.30	129 36.06	175.9	174
K 07	U01097	2	810624	0255	13	55 27.30	129 29.55	102.6	101
G 05	U01097	3	810624	0309	14	55 27.70	129 29.20	87.9	86
L 31	U01097	4	810624	1700	15	55 27.20	129 33.78	142.9	141
N 32	U01097	5	810624	1728	16	55 27.00	129 33.95	201.0	199
P 33	U01097	6	810624	1754	17	55 26.80	129 34.13	201.0	199
T 27	U01097	7	810624	1829	18	55 26.40	129 33.07	152.1	150
R 26	U01097	8	810624	1851	19	55 26.60	129 32.90	153.8	143
P 25	U01097	9	810624	1943	20	55 26.80	129 32.72	202.2	200
N 24	U01097	10	810624	2007	21	55 27.00	129 32.54	127.9	126
O 20	U01097	11	810624	2024	22	55 26.90	129 31.84	92.5	91
Q 19	U01097	12	810624	2038	23	55 26.70	129 31.66	202.0	200
S 18	U01097	13	810624	2100	24	55 26.50	129 31.49	176.0	174
P 12	U01097	14	810624	2320	25	55 26.80	129 30.43	87.7	86
O 13	U01097	15	810624	2337	26	55 26.90	129 30.61	147.9	146
P 12	U01097	16	810625	0000	27	55 26.80	129 30.43	141.1	139
M 09	U01097	17	810625	0037	29	55 27.10	129 29.90	151.6	144
L 10	U01097	18	810625	0107	30	55 27.20	129 30.08	101.8	100
K 07	U01097	19	810625	0122	31	55 27.30	129 29.55	102.5	101
G 05	U01097	20	810625	0140	32	55 27.70	129 29.20	97.0	95
R 34	U01097	21	810625	1759	33	55 26.60	129 34.30	112.0	109
N 24	U01097	22	810625	1847	35	55 27.00	129 32.54	97.0	94
S 18	U01097	23	810625	1932	37	55 26.50	129 31.49	132.3	129
P 12	U01097	24	810625	2042	39	55 26.80	129 30.43	102.0	99
L 31	U01097	25	810626	1543	41	55 27.20	129 33.78	171.8	167
N 32	U01097	26	810626	1610	42	55 27.00	129 33.95	201.8	199
P 33	U01097	27	810626	1632	43	55 26.80	129 34.13	81.9	78
R 34	U01097	28	810626	1704	44	55 26.60	129 34.30	133.2	130
T 27	U01097	29	810626	1723	45	55 26.40	129 33.07	127.7	125
R 26	U01097	30	810626	1742	46	55 26.60	129 32.90	202.2	199
P 25	U01097	31	810626	1808	47	55 26.80	129 32.72	201.5	199
Q 19	U01097	32	810626	1836	48	55 26.70	129 31.66	166.5	164
O 13	U01097	33	810626	2209	49	55 26.90	129 30.61	158.5	156
N 08	U01097	34	810626	2228	50	55 27.00	129 29.73	69.0	66
M 09	U01097	35	810626	2244	51	55 27.10	129 29.90	130.9	128
M 40	U01097	36	810627	1745	52	55 27.10	129 35.36	210.5	208
P 33	U01097	37	810627	1811	53	55 26.80	129 34.13	211.0	208
N 32	U01097	38	810627	1833	54	55 27.00	129 33.95	211.5	209
R 26	U01097	39	810627	1859	55	55 26.60	129 32.90	211.2	208
P 25	U01098	424	810627	1924	56	55 26.80	129 32.72	211.2	211
O 20	U01097	40	810627	2032	57	55 26.90	129 31.84	102.9	100
Q 19	U01097	41	810627	2047	58	55 26.70	129 31.66	153.2	150
S 18	U01097	42	810627	2115	59	55 26.50	129 31.49	153.0	149
N 14	U01097	43	810627	2133	60	55 27.00	129 30.78	102.8	100
O 13	U01097	44	810627	2155	61	55 26.90	129 30.61	210.8	207
P 12	U01097	45	810627	2215	62	55 26.80	129 30.43	165.9	162
L 10	U01097	46	810627	2230	63	55 27.20	129 30.08	63.6	60
M 09	U01097	47	810627	2243	64	55 27.10	129 29.90	154.8	151
N 08	U01097	48	810627	2256	65	55 27.00	129 29.73	99.3	95
K 07	U01097	49	810627	2312	66	55 27.30	129 29.55	96.0	94

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OB	U01097	50	810628	1718	67	55 19.08	129 46.70	210.7	208
HA	U01097	51	810628	1828	68	55 25.07	129 43.07	160.9	158
W 65	U01097	52	810628	1913	69	55 26.10	129 39.76	161.1	158
V 66	U01097	53	810628	2014	70	55 26.20	129 39.94	199.9	197
U 67	U01097	54	810628	2035	71	55 26.30	129 40.11	192.6	181
P 25	U01097	55	810628	2127	72	55 26.80	129 32.72	209.9	207
Q 19	U01097	56	810628	2152	73	55 26.70	129 31.66	151.1	148
N 14	U01097	57	810628	2225	74	55 27.00	129 30.78	101.2	98
O 13	U01097	58	810628	2240	75	55 26.90	129 30.61	209.8	207
P 12	U01097	59	810628	2304	76	55 26.80	129 30.43	160.7	158
N 08	U01097	60	810628	2320	77	55 27.00	129 29.73	96.6	94
M 09	U01097	61	810628	2333	78	55 27.10	129 29.90	145.5	143
L 10	U01097	62	810628	2346	79	55 27.20	129 30.08	66.1	63
P 25	U01097	63	810629	1746	80	55 26.80	129 32.72	209.9	208
Q 19	U01097	64	810629	1810	81	55 26.70	129 31.66	160.1	158
N 14	U01097	65	810629	1825	82	55 27.00	129 30.78	106.5	105
O 13	U01097	66	810629	1839	83	55 26.90	129 30.61	184.2	182
P 12	U01097	67	810629	1855	84	55 26.80	129 30.43	150.7	149
L 10	U01097	68	810629	1946	85	55 27.20	129 30.08	67.0	65
M 09	U01097	69	810629	2004	86	55 27.10	129 29.90	91.0	90
M 09	U01097	70	810629	2019	87	55 27.10	129 29.90	145.8	144
N 08	U01097	71	810629	2030	88	55 27.00	129 29.73	100.9	99
G 05	U01097	72	810629	2050	89	55 27.70	129 29.20	99.7	98
P 25	U01097	73	810630	1718	90	55 26.80	129 32.72	209.0	204
O 20	U01097	74	810630	1738	91	55 26.90	129 31.84	100.0	95
Q 19	U01097	75	810630	1756	92	55 26.70	129 31.66	149.6	145
S 18	U01097	76	810630	1832	93	55 26.50	129 31.49	169.0	164
P 12	U01097	77	810630	1850	94	55 26.80	129 30.43	140.0	135
O 13	U01097	78	810630	1908	95	55 26.90	129 30.61	183.6	182
N 14	U01097	79	810630	1949	96	55 27.00	129 30.78	85.9	84
N 08	U01097	80	810630	2004	96	55 27.00	129 29.73	86.0	84
M 09	U01097	81	810630	2019	97	55 27.10	129 29.90	141.0	139
L 10	U01097	82	810630	2038	98	55 27.20	129 30.08	66.2	64
K 07	U01097	83	810630	2055	99	55 27.30	129 29.55	100.6	99
P 33	U01097	84	810701	1556	100	55 26.80	129 34.13	209.5	208
N 32	U01097	85	810701	1617	101	55 27.00	129 33.95	209.1	207
P 25	U01097	87	810701	1656	102	55 26.80	129 32.72	208.7	207
N 24	U01097	86	810701	1638	102	55 27.00	129 32.54	124.9	123
R 26	U01097	88	810701	1714	103	55 26.60	129 32.90	208.7	207
T 27	U01097	89	810701	1730	104	55 26.40	129 33.07	124.6	123
S 18	U01097	90	810701	1751	105	55 26.50	129 31.49	169.0	167
Q 19	U01097	91	810701	1806	106	55 26.70	129 31.66	149.2	147
O 20	U01097	92	810701	1818	107	55 26.90	129 31.84	80.7	79
N 14	U01097	93	810701	1837	108	55 27.00	129 30.78	101.0	99
O 13	U01097	94	810701	1845	109	55 26.90	129 30.61	174.0	172
P 12	U01097	95	810701	1904	110	55 26.80	129 30.43	154.0	152
N 08	U01097	96	810701	1945	111	55 27.00	129 29.73	81.6	80
M 09	U01097	97	810701	2004	112	55 27.10	129 29.90	137.6	136
P 25	U01097	98	810702	1559	114	55 26.80	129 32.72	213.7	212
R 26	U01097	99	810702	1623	115	55 26.60	129 32.90	212.0	210

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O 20	U01097	100	810702	1648	116	55 26.90	129 31.84	101.8	100
Q 19	U01097	101	810702	1713	117	55 26.70	129 31.66	149.0	147
S 18	U01097	102	810702	1732	118	55 26.50	129 31.49	170.7	169
P 12	U01097	103	810702	1756	119	55 26.80	129 30.43	154.8	153
O 13	U01097	104	810702	1812	120	55 26.90	129 30.61	174.9	173
N 14	U01097	105	810702	1835	121	55 27.00	129 30.78	101.8	100
N 08	U01097	106	810702	1851	122	55 27.00	129 29.73	83.5	82
M 09	U01097	107	810702	1905	123	55 27.10	129 29.90	140.0	140
K 07	U01097	108	810702	1918	124	55 27.30	129 29.55	82.8	83
P 25	U01097	109	810703	1559	125	55 26.80	129 32.72	213.8	212
R 26	U01097	110	810703	1622	126	55 26.60	129 32.90	213.7	212
O 20	U01097	111	810703	1646	127	55 26.90	129 31.84	102.7	101
Q 19	U01097	112	810703	1705	128	55 26.70	129 31.66	158.1	156
P 12	U01097	113	810703	1750	130	55 26.80	129 30.43	157.8	156
O 13	U01097	114	810703	1809	131	55 26.90	129 30.61	177.9	176
N 14	U01097	115	810703	1824	132	55 27.00	129 30.78	102.7	101
M 09	U01097	116	810703	1840	133	55 27.10	129 29.90	143.0	141
N 08	U01097	117	810703	1853	134	55 27.00	129 29.73	92.1	90
K 07	U01097	118	810703	1906	135	55 27.30	129 29.55	90.7	89
P 25	U01097	119	810704	1526	136	55 26.80	129 32.72	208.2	206
R 26	U01097	120	810704	1549	137	55 26.60	129 32.90	208.1	206
O 20	U01097	121	810704	1614	138	55 26.90	129 31.84	90.1	88
Q 19	U01097	122	810704	1646	139	55 26.70	129 31.66	207.9	206
S 18	U01097	123	810704	1710	140	55 26.50	129 31.49	208.9	207
P 12	U01097	124	810704	1734	141	55 26.80	129 30.43	180.7	179
O 13	U01097	125	810704	1801	142	55 26.90	129 30.61	207.7	208
N 14	U01097	126	810704	1815	143	55 27.00	129 30.78	100.8	99
L 10	U01097	127	810704	1841	144	55 27.20	129 30.08	82.1	80
M 09	U01097	128	810704	1855	145	55 27.10	129 29.90	139.7	138
N 08	U01097	129	810704	1950	146	55 27.00	129 29.73	101.5	100
K 07	U01097	130	810704	2004	147	55 27.30	129 29.55	95.7	94
W 65	U01097	131	810705	1413	148	55 26.10	129 39.76	85.5	84
V 66	U01097	132	810705	1430	149	55 26.20	129 39.94	198.1	196
U 67	U01097	133	810705	1450	150	55 26.30	129 40.11	207.8	206
YY	U01097	134	810705	1531	151	55 25.07	129 43.07	148.9	147
XX	U01097	135	810705	1635	152	55 19.08	129 46.70	268.0	267
N 14	U01097	136	810705	2205	153	55 27.00	129 30.78	100.1	99
O 13	U01097	137	810705	2220	154	55 26.90	129 30.61	188.9	188
P 12	U01097	138	810705	2234	155	55 26.80	129 30.43	169.1	167
M 09	U01097	139	810705	2255	156	55 27.10	129 29.90	145.0	143
N 08	U01097	140	810705	2307	157	55 27.00	129 29.73	81.0	79
P 25	U01097	141	810706	1525	158	55 26.80	129 32.72	207.9	206
R 26	U01097	142	810706	1543	159	55 26.60	129 32.90	208.7	207
S 18	U01097	143	810706	1604	160	55 26.50	129 31.49	199.2	197
Q 19	U01097	144	810706	1624	161	55 26.70	129 31.66	162.9	161
O 20	U01097	145	810706	1645	162	55 26.90	129 31.84	209.1	207
N 24	U01097	146	810706	1707	163	55 27.00	129 32.54	139.0	137
L 31	U01097	147	810706	1727	164	55 27.20	129 33.78	199.0	199
N 32	U01097	148	810706	1743	165	55 27.00	129 33.95	198.9	198
P 33	U01097	149	810706	1803	166	55 26.80	129 34.13	208.7	207

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R 34	U01097	150	810706	1837	167 55	26.60	129 34.30	199.2	197
T 27	U01097	151	810706	1854	168 55	26.40	129 33.07	179.6	178
N 14	U01097	152	810706	1952	169 55	27.00	129 30.78	138.6	138
O 13	U01097	153	810706	2007	170 55	26.90	129 30.61	192.9	191
P 12	U01097	154	810706	2021	170 55	26.80	129 30.43	148.1	146
N 08	U01097	155	810706	2033	171 55	27.00	129 29.73	79.1	78
M 09	U01097	156	810706	2045	172 55	27.10	129 29.90	145.9	145
L 10	U01097	157	810706	2100	173 55	27.20	129 30.08	177.0	176
K 07	U01097	158	810706	2116	174 55	27.30	129 29.55	108.9	108
G 05	U01097	159	810707	1513	175 55	27.70	129 29.20	98.7	97
R 26	U01097	160	810707	1556	176 55	26.60	129 32.90	208.7	207
P 25	U01097	161	810707	1616	177 55	26.80	129 32.72	207.5	204
S 18	U01097	162	810707	1640	178 55	26.50	129 31.49	149.6	148
Q 19	U01097	163	810707	1657	179 55	26.70	129 31.66	158.7	158
O 20	U01097	164	810707	1714	180 55	26.90	129 31.84	115.1	113
N 14	U01097	165	810707	1731	181 55	27.00	129 30.78	108.9	108
O 13	U01097	166	810707	1747	182 55	26.90	129 30.61	184.6	184
P 12	U01097	167	810707	1805	183 55	26.80	129 30.43	141.0	140
N 08	U01097	168	810707	1821	184 55	27.00	129 29.73	90.7	90
M 09	U01097	169	810707	1836	185 55	27.10	129 29.90	149.5	147
L 10	U01097	170	810707	1855	186 55	27.20	129 30.08	173.8	172
K 07	U01097	171	810707	1915	187 55	27.30	129 29.55	107.0	106
R 34	U01097	172	810708	1538	188 55	26.60	129 34.30	129.5	128
P 33	U01097	173	810708	1608	189 55	26.80	129 34.13	208.1	206
N 32	U01097	174	810708	1634	190 55	27.00	129 33.95	208.1	206
L 31	U01097	175	810708	1654	191 55	27.20	129 33.78	132.7	132
N 24	U01097	176	810708	1718	192 55	27.00	129 32.54	208.0	206
P 25	U01097	177	810708	1740	193 55	26.80	129 32.72	207.8	206
R 26	U01097	178	810708	1800	194 55	26.60	129 32.90	188.6	187
T 27	U01097	179	810708	1821	195 55	26.40	129 33.07	130.5	130
S 18	U01098	421	810708	1848	196 55	26.50	129 31.49	157.6	158
S 18	U01097	180	810708	1915	197 55	26.50	129 31.49	159.0	157
Q 19	U01097	181	810708	2030	198 55	26.70	129 31.66	99.8	99
Q 19	U01097	182	810708	2039	199 55	26.70	129 31.66	114.6	114
O 20	U01097	183	810708	2104	200 55	26.90	129 31.84	120.5	120
N 14	U01097	184	810708	2149	201 55	27.00	129 30.78	177.0	176
O 13	U01097	185	810708	2208	202 55	26.90	129 30.61	148.8	148
P 12	U01097	186	810708	2227	203 55	26.80	129 30.43	86.6	86
N 08	U01098	422	810708	2244	204 55	27.00	129 29.73	129.8	129
M 42	U01098	425	810709	1557	209 55	27.10	129 35.71	178.8	177
K 39	U01097	187	810709	1617	210 55	27.30	129 35.18	158.5	157
N 32	U01097	188	810709	1700	212 55	27.00	129 33.95	158.6	157
R 34	U01098	423	810709	1739	214 55	26.60	129 34.30	175.9	175
G 05	U01097	189	810710	1505	225 55	27.70	129 29.20	95.6	94
T 27	U01097	190	810710	1608	226 55	26.40	129 33.07	180.6	180
P 25	U01098	436	810710	1656	228 55	26.80	129 32.72	208.5	207
N 24	U01098	439	810710	1719	229 55	27.00	129 32.54	133.5	133
O 20	U01098	440	810710	1743	230 55	26.90	129 31.84	115.8	115
Q 19	U01098	437	810710	1829	232 55	26.70	129 31.66	96.5	95
S 18	U01098	438	810710	1854	233 55	26.50	129 31.49	165.8	165

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N 14	U01098	443	810710	2020	236	55 27.00	129 30.78	115.1	114
L 10	U01098	441	810710	2038	237	55 27.20	129 30.08	173.9	173
M 09	U01098	442	810710	2055	238	55 27.10	129 29.90	144.5	144
N 08	U01098	435	810710	2109	239	55 27.00	129 29.73	85.5	85
N 32	U01097	191	810711	1716	243	55 27.00	129 33.95	209.1	207
R 26	U01097	192	810711	1743	244	55 26.60	129 32.90	208.7	207
P 25	U01097	193	810711	1807	245	55 26.80	129 32.72	114.9	113
O 20	U01097	194	810711	1826	246	55 26.90	129 31.84	134.5	133
Q 19	U01097	195	810711	1903	247	55 26.70	129 31.66	163.9	162
S 18	U01097	196	810711	1945	248	55 26.50	129 31.49	164.5	163
N 14	U01097	197	810711	2007	249	55 27.00	129 30.78	108.9	107
O 13	U01097	198	810711	2021	250	55 26.90	129 30.61	144.9	143
P 12	U01097	199	810711	2036	251	55 26.80	129 30.43	144.9	143
L 10	U01097	200	810711	2057	252	55 27.20	129 30.08	153.6	153
N 08	U01097	201	810711	2131	254	55 27.00	129 29.73	98.1	96
K 07	U01097	202	810711	2143	255	55 27.30	129 29.55	109.2	108
U 67	U01097	203	810712	1549	256	55 26.30	129 40.11	208.7	207
V 66	U01097	204	810712	1610	257	55 26.20	129 39.94	208.6	209
W 65	U01097	205	810712	1626	258	55 26.10	129 39.76	89.0	88
M 40	U01097	206	810712	1700	259	55 27.10	129 35.36	207.7	207
N 32	U01097	207	810712	1721	260	55 27.00	129 33.95	208.1	207
P 25	U01097	208	810712	1743	261	55 26.80	129 32.72	208.1	207
Q 19	U01097	209	810712	1808	262	55 26.70	129 31.66	162.9	162
O 13	U01097	210	810712	1854	264	55 26.90	129 30.61	192.7	192
P 12	U01097	211	810712	1955	265	55 26.80	129 30.43	145.1	145
L 10	U01097	212	810712	2013	266	55 27.20	129 30.08	178.1	177
M 09	U01097	213	810712	2030	267	55 27.10	129 29.90	145.6	145
N 08	U01097	214	810712	2042	268	55 27.00	129 29.73	77.7	77
K 07	U01097	215	810712	2054	269	55 27.30	129 29.55	108.8	109
R 26	U01098	444	810713	1522	270	55 26.60	129 32.90	208.0	207
N 24	U01097	216	810713	1542	271	55 27.00	129 32.54	131.7	132
O 20	U01098	445	810713	1555	272	55 26.90	129 31.84	114.0	113
P 12	U01097	217	810713	1648	275	55 26.80	129 30.43	142.7	143
O 13	U01097	218	810713	1706	276	55 26.90	129 30.61	192.8	192
N 14	U01098	426	810713	1721	277	55 27.00	129 30.78	108.0	107
L 10	U01097	219	810713	1733	278	55 27.20	129 30.08	173.9	174
M 09	U01097	220	810713	1745	279	55 27.10	129 29.90	145.9	145
N 08	U01098	446	810713	1756	280	55 27.00	129 29.73	77.8	78
K 07	U01097	221	810713	1807	281	55 27.30	129 29.55	107.9	107
R 34	U01097	222	810714	1606	283	55 26.60	129 34.30	134.9	135
P 25	U01098	447	810714	1643	285	55 26.80	129 32.72	207.8	207
O 20	U01097	223	810714	1701	286	55 26.90	129 31.84	114.0	113
S 18	U01098	448	810714	1727	288	55 26.50	129 31.49	164.5	165
P 12	U01098	449	810714	1742	289	55 26.80	129 30.43	144.9	144
O 13	U01097	224	810714	1756	290	55 26.90	129 30.61	192.9	193
N 14	U01098	450	810714	1820	291	55 27.00	129 30.78	108.0	108
N 08	U01097	225	810714	1912	294	55 27.00	129 29.73	81.8	81
K 07	U01097	226	810714	1923	295	55 27.30	129 29.55	108.0	108
T 27	U01098	451	810715	1505	296	55 26.40	129 33.07	140.5	140
R 26	U01098	452	810715	1543	297	55 26.60	129 32.90	207.6	207

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P 25	U01098	453	810715	1558	298	55 26.80	129 32.72	207.9	207
N 14	U01097	227	810715	1613	299	55 27.00	129 30.78	128.0	127
G 20	U01097	228	810715	1633	300	55 26.90	129 31.84	113.1	113
Q 19	U01097	229	810715	1646	301	55 26.70	129 31.66	163.5	164
S 18	U01097	230	810715	1704	302	55 26.50	129 31.49	162.7	163
P 12	U01097	231	810715	1720	303	55 26.80	129 30.43	142.7	142
O 13	U01097	232	810715	1733	304	55 26.90	129 30.61	191.7	192
N 14	U01097	233	810715	1744	305	55 27.00	129 30.78	107.7	108
L 10	U01097	234	810715	1755	306	55 27.20	129 30.08	176.0	176
M 09	U01097	235	810715	1808	307	55 27.10	129 29.90	136.6	137
N 08	U01097	236	810715	1818	308	55 27.00	129 29.73	74.7	74
K 07	U01097	237	810715	1830	309	55 27.30	129 29.55	107.0	107
G 05	U01098	454	810715	1843	310	55 27.70	129 29.20	96.8	97
N 32	U01098	455	810716	1556	313	55 27.00	129 33.95	189.6	190
L 31	U01098	456	810716	1611	314	55 27.20	129 33.78	155.5	156
O 20	U01098	457	810716	1657	316	55 26.90	129 31.84	113.8	114
Q 19	U01098	458	810716	1711	317	55 26.70	129 31.66	153.0	152
S 18	U01098	459	810716	1724	318	55 26.50	129 31.49	157.5	157
P 12	U01098	460	810716	1742	319	55 26.80	129 30.43	143.6	143
O 13	U01098	461	810716	1804	320	55 26.90	129 30.61	184.8	184
N 14	U01097	238	810716	1822	321	55 27.00	129 30.78	106.0	106
L 10	U01097	239	810716	1845	322	55 27.20	129 30.08	166.6	167
M 09	U01098	462	810716	1859	323	55 27.10	129 29.90	128.7	129
N 08	U01097	240	810716	1909	324	55 27.00	129 29.73	77.0	77
K 07	U01097	241	810716	1925	325	55 27.30	129 29.55	93.9	90
G 05	U01098	463	810716	2015	326	55 27.70	129 29.20	94.9	95
Q 19	U01098	464	810717	1811	333	55 26.70	129 31.66	159.9	160
S 18	U01098	467	810717	1829	334	55 26.50	129 31.49	156.5	157
N 14	U01097	242	810717	2025	337	55 27.00	129 30.78	102.5	103
L 10	U01097	243	810717	2040	338	55 27.20	129 30.08	173.5	174
M 09	U01097	244	810717	2053	339	55 27.10	129 29.90	138.0	138
N 08	U01097	245	810717	2103	340	55 27.00	129 29.73	73.2	73
N 14	U01097	246	810718	1457	342	55 27.00	129 30.78	107.6	108
O 13	U01097	247	810718	1511	343	55 26.90	129 30.61	190.5	191
P 12	U01097	248	810718	1539	344	55 26.80	129 30.43	142.8	143
N 14	U01097	249	810718	1553	345	55 27.00	129 30.78	104.0	103
O 13	U01097	250	810718	1608	346	55 26.90	129 30.61	188.1	188
P 12	U01097	251	810718	1635	347	55 26.80	129 30.43	142.1	142
N 14	U01097	252	810718	1648	348	55 27.00	129 30.78	104.8	105
O 13	U01097	253	810718	1713	349	55 26.90	129 30.61	190.1	190
P 12	U01097	254	810718	1734	350	55 26.80	129 30.43	141.9	142
N 14	U01097	255	810718	1745	351	55 27.00	129 30.78	104.0	104
O 13	U01097	256	810718	1757	352	55 26.90	129 30.61	189.6	190
P 12	U01097	257	810718	1810	353	55 26.80	129 30.43	140.2	140
N 14	U01097	258	810718	1822	354	55 27.00	129 30.78	104.2	104
O 13	U01097	259	810718	1837	355	55 26.90	129 30.61	189.9	190
P 12	U01097	260	810718	1850	356	55 26.80	129 30.43	140.6	141
K 07	U01098	429	810718	2015	357	55 27.30	129 29.55	91.7	92
N 08	U01097	261	810718	2031	358	55 27.00	129 29.73	73.6	74
P 12	U01097	262	810718	2047	359	55 26.80	129 30.43	138.8	139

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O 13	U01097	263	810718	2104	360	55	26.90	129 30.61	149.0 149
P 12	U01097	264	810718	2117	361	55	26.80	129 30.43	106.0 100
M 09	U01098	468	810719	1511	362	55	27.10	129 29.90	140.8 141
O 13	U01098	469	810719	1527	363	55	26.90	129 30.61	190.7 190
Q 19	U01098	471	810719	1551	364	55	26.70	129 31.66	256.5 257
M 09	U01097	265	810719	1619	365	55	27.10	129 29.90	136.6 137
O 13	U01098	470	810719	1635	366	55	26.90	129 30.61	188.8 189
Q 19	U01097	266	810719	1705	367	55	26.70	129 31.66	229.0 229
M 09	U01097	267	810719	1730	368	55	27.10	129 29.90	141.7 142
O 13	U01097	268	810719	1758	369	55	26.90	129 30.61	190.1 190
Q 19	U01097	269	810719	1834	370	55	26.70	129 31.66	227.0 227
M 09	U01097	270	810719	1948	371	55	27.10	129 29.90	140.6 141
O 13	U01097	271	810719	2009	372	55	26.90	129 30.61	184.9 185
Q 19	U01097	272	810719	2039	373	55	26.70	129 31.66	243.9 244
M 09	U01097	273	810719	2104	374	55	27.10	129 29.90	139.1 139
N 08	U01097	274	810719	2118	375	55	27.00	129 29.73	74.0 74
K 07	U01097	275	810719	2128	376	55	27.30	129 29.55	91.9 75
G 05	U01097	276	810720	1454	377	55	27.70	129 29.20	88.0 88
K 07	U01097	277	810720	1507	378	55	27.30	129 29.55	95.6 54
L 10	U01097	278	810720	1526	379	55	27.20	129 30.08	138.1 138
M 09	U01097	279	810720	1540	380	55	27.10	129 29.90	144.8 133
N 08	U01097	280	810720	1550	381	55	27.00	129 29.73	73.9 74
P 12	U01097	281	810720	1603	382	55	26.80	129 30.43	140.5 141
O 13	U01097	282	810720	1611	383	55	26.90	129 30.61	187.2 187
N 14	U01097	283	810720	1628	384	55	27.00	129 30.78	104.2 104
O 20	U01097	284	810720	1645	385	55	26.90	129 31.84	109.7 110
P 25	U01097	285	810720	1717	387	55	26.80	129 32.72	295.5 296
R 26	U01097	286	810720	1737	388	55	26.60	129 32.90	267.9 268
T 27	U01097	287	810720	1753	389	55	26.40	129 33.07	158.2 158
R 34	U01097	288	810720	1808	390	55	26.60	129 34.30	122.0 122
P 33	U01097	289	810720	1827	391	55	26.80	129 34.13	355.2 355
N 32	U01097	290	810720	1851	392	55	27.00	129 33.95	295.7 296
M 09	U01097	291	810720	2050	394	55	27.10	129 29.90	139.0 139
K 07	U01097	292	810721	1710	395	55	27.30	129 29.55	92.9 93
M 09	U01097	293	810721	1721	396	55	27.10	129 29.90	143.2 143
O 13	U01097	294	810721	1734	397	55	26.90	129 30.61	188.7 189
Q 19	U01097	295	810721	1755	398	55	26.70	129 31.66	226.9 227
YY	U01097	296	810721	1911	399	55	25.07	129 43.07	168.5 169
GG	U01097	297	810721	2015	400	55	22.00	129 45.00	177.0 177
K170	U01097	298	810721	2055	401	55	24.70	129 40.64	79.1 79
U 67	U01097	299	810721	2119	402	55	26.30	129 40.11	207.0 207
M 09	U01097	300	810722	1736	403	55	27.10	129 29.90	142.0 142
N 08	U01097	301	810722	1749	404	55	27.00	129 29.73	98.6 94
L 10	U01097	302	810722	1803	405	55	27.20	129 30.08	171.0 171
O 13	U01097	303	810722	2004	407	55	26.90	129 30.61	91.1 91
O 13	U01097	304	810722	2034	408	55	26.90	129 30.61	186.8 187
O 13	U01097	305	810722	2052	409	55	26.90	129 30.61	50.9 51
Q 19	U01097	306	810722	2114	410	55	26.70	129 31.66	217.2 204
Q 19	U01097	307	810722	2128	411	55	26.70	129 31.66	83.7 84
Q 19	U01097	308	810722	2140	412	55	26.70	129 31.66	84.7 85

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Q 19	U01097	309	810722	2201	413	55 26.70	129 31.66	32.8	33
N 32	U01097	310	810722	2230	414	55 27.00	129 33.95	107.9	108
M 09	U01097	311	810723	1517	416	55 27.10	129 29.90	142.6	143
N 14	U01097	312	810723	1540	417	55 27.00	129 30.78	103.0	103
O 13	U01097	313	810723	1556	418	55 26.90	129 30.61	190.1	190
P 12	U01097	314	810723	1611	419	55 26.80	129 30.43	139.6	140
O 20	U01097	315	810723	1626	420	55 26.90	129 31.84	109.6	110
P 20	U01097	316	810723	1639	421	55 26.80	129 31.84	236.7	237
O 19	U01097	317	810723	1653	422	55 26.90	129 31.66	227.8	228
R 18	U01097	318	810723	1709	423	55 26.60	129 31.49	251.7	252
S 18	U01097	319	810723	1721	424	55 26.50	129 31.49	157.9	158
T 18	U01097	320	810723	1732	425	55 26.40	129 31.49	127.7	128
K 07	U01097	321	810724	1454	426	55 27.30	129 29.55	89.1	89
K 07	U01097	322	810724	1506	427	55 27.30	129 29.55	94.2	94
L 10	U01097	323	810724	1518	428	55 27.20	129 30.08	174.5	175
M 09	U01097	324	810724	1538	429	55 27.10	129 29.90	143.9	144
N 08	U01097	325	810724	1635	430	55 27.00	129 29.73	74.7	75
P 12	U01097	326	810724	1649	431	55 26.80	129 30.43	139.0	139
O 13	U01097	327	810724	1705	432	55 26.90	129 30.61	181.2	181
N 14	U01097	328	810724	1740	433	55 27.00	129 30.78	104.1	104
O 20	U01097	329	810724	1758	434	55 26.90	129 31.84	108.8	109
Q 19	U01097	330	810724	1812	435	55 26.70	129 31.66	207.6	208
K 07	U01097	331	810725	1500	437	55 27.30	129 29.55	92.5	93
N 08	U01097	332	810725	1512	438	55 27.00	129 29.73	81.7	82
P 12	U01097	333	810725	1527	439	55 26.80	129 30.43	138.8	139
N 14	U01097	334	810725	1555	441	55 27.00	129 30.78	103.7	104
P 12	U01097	335	810725	1607	442	55 26.80	129 30.43	137.9	138
O 13	U01097	336	810725	1619	443	55 26.90	129 30.61	187.7	188
N 14	U01097	337	810725	1632	444	55 27.00	129 30.78	102.9	103
P 12	U01097	338	810725	1644	445	55 26.80	129 30.43	138.9	139
O 13	U01097	339	810725	1657	446	55 26.90	129 30.61	186.9	187
N 14	U01097	340	810725	1709	447	55 27.00	129 30.78	103.8	104
N 14	U01097	341	810725	1809	448	55 27.00	129 30.78	139.6	140
O 13	U01097	342	810725	1824	449	55 26.90	129 30.61	189.5	190
P 12	U01097	343	810725	1834	450	55 26.80	129 30.43	103.6	104
N 14	U01097	344	810725	1932	451	55 27.00	129 30.78	103.1	103
O 13	U01097	345	810725	1943	452	55 26.90	129 30.61	188.1	188
P 12	U01098	427	810725	1953	453	55 26.80	129 30.43	137.9	138
M 09	U01098	428	810725	2005	454	55 27.10	129 29.90	140.8	141
K 07	U01097	346	810725	2014	456	55 27.30	129 29.55	104.6	105
K 07	U01097	347	810726	1459	457	55 27.30	129 29.55	103.9	104
N 08	U01097	348	810726	1511	458	55 27.00	129 29.73	90.0	90
O 13	U01097	349	810726	1538	460	55 26.90	129 30.61	190.1	190
Q 19	U01097	350	810726	1601	461	55 26.70	129 31.66	221.6	222
R 26	U01097	351	810726	1625	462	55 26.60	129 32.90	251.0	251
M 09	U01097	352	810726	1651	463	55 27.10	129 29.90	142.0	142
O 13	U01097	353	810726	1737	464	55 26.90	129 30.61	189.5	190
G 19	U01097	354	810726	1757	465	55 26.70	129 31.66	221.7	222
M 09	U01097	355	810726	1826	466	55 27.10	129 29.90	8.5	9
M 09	U01097	356	810726	1826	466	55 27.10	129 29.90	140.2	140

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Q 13	U01097	357	810726	1841	467	55 26.90	129 30.61	188.5	189
Q 19	U01097	358	810726	1859	468	55 26.70	129 31.66	222.8	223
M 09	U01097	359	810726	1956	469	55 27.10	129 29.90	139.8	140
Q 13	U01097	360	810726	2010	470	55 26.90	129 30.61	187.7	188
Q 19	U01097	361	810726	2033	471	55 26.70	129 31.66	222.8	223
M 09	U01097	362	810726	2055	472	55 27.10	129 29.90	138.6	139
K 07	U01097	363	810726	2106	473	55 27.30	129 29.55	103.6	104
K 39	U01097	364	810727	1528	474	55 27.30	129 35.18	158.1	158
M 40	U01097	365	810727	1602	475	55 27.10	129 35.36	265.8	266
O 41	U01097	366	810727	1618	476	55 26.90	129 35.54	266.6	267
L 31	U01097	367	810727	1639	477	55 27.20	129 33.78	148.1	148
N 32	U01097	368	810727	1655	478	55 27.00	129 33.95	267.6	268
P 33	U01097	369	810727	1714	479	55 26.80	129 34.13	266.8	267
R 34	U01097	370	810727	1731	480	55 26.60	129 34.30	188.5	189
N 24	U01097	371	810727	1751	481	55 27.00	129 32.54	143.9	144
P 25	U01097	372	810727	1806	482	55 26.80	129 32.72	266.0	266
R 25	U01097	373	810727	1821	483	55 26.60	129 32.72	268.1	268
T 27	U01097	374	810727	1833	484	55 26.40	129 33.07	175.1	175
O 13	U01097	375	810727	1856	485	55 26.90	129 30.61	189.8	190
M 09	U01098	430	810727	1942	486	55 27.10	129 29.90	133.9	134
N 08	U01097	376	810727	1955	487	55 27.00	129 29.73	89.7	90
K 07	U01097	377	810727	2005	488	55 27.30	129 29.55	109.5	110
N 08	U01097	378	810728	1455	489	55 27.00	129 29.73	96.0	96
M 09	U01097	379	810728	1504	490	55 27.10	129 29.90	145.2	145
Q 13	U01097	380	810728	1516	491	55 26.90	129 30.61	190.0	190
U 67	U01097	381	810728	1615	492	55 26.30	129 40.11	213.6	214
V 66	U01097	382	810728	1628	493	55 26.20	129 39.94	194.5	195
W 65	U01097	383	810728	1642	494	55 26.10	129 39.76	136.9	137
K170	U01097	384	810728	1714	495	55 24.70	129 40.64	79.0	79
YY	U01097	385	810728	1743	496	55 25.07	129 43.07	168.1	168
GG	U01097	386	810728	1833	497	55 22.00	129 45.00	179.9	180
K 07	U01097	387	810729	1501	498	55 27.30	129 29.55	104.0	104
M 09	U01097	388	810729	1514	499	55 27.10	129 29.90	138.8	139
Q 13	U01097	389	810729	1530	500	55 26.90	129 30.61	188.5	189
Q 19	U01097	390	810729	1546	501	55 26.70	129 31.66	209.6	210
P 25	U01097	391	810729	1602	502	55 26.80	129 32.72	256.6	257
N 32	U01097	392	810729	1624	503	55 27.00	129 33.95	296.8	297
N 14	U01097	393	810729	1651	504	55 27.00	129 30.78	104.3	104
O 13	U01097	394	810729	1706	505	55 26.90	129 30.61	188.5	189
P 12	U01097	395	810729	1718	506	55 26.80	129 30.43	139.6	140
N 08	U01097	396	810729	1729	507	55 27.00	129 29.73	89.2	89
M 09	U01097	397	810729	1739	508	55 27.10	129 29.90	139.8	140
L 10	U01097	398	810729	1750	509	55 27.20	129 30.08	160.9	161
K 07	U01097	399	810730	1456	510	55 27.30	129 29.55	105.1	105
T 27	U01097	400	810730	1536	512	55 26.40	129 33.07	173.2	173
P 25	U01097	401	810730	1604	514	55 26.80	129 32.72	269.2	268
h 24	U01097	402	810730	1618	515	55 27.00	129 32.54	119.2	119
O 20	U01097	403	810730	1642	516	55 26.90	129 31.84	108.6	109
Q 19	U01097	404	810730	1653	517	55 26.70	129 31.66	218.2	218
S 18	U01097	405	810730	1704	518	55 26.50	129 31.49	156.0	156

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P 12	U01097	406	810730	1719	519	55 26.80	129 30.43	139.6	140
O 13	U01097	407	810730	1730	520	55 26.90	129 30.61	186.9	187
N 14	U01097	408	810730	1741	521	55 27.00	129 30.78	101.2	101
L 10	U01097	409	810730	1753	522	55 27.20	129 30.08	173.7	174
M 09	U01097	410	810730	1804	523	55 27.10	129 29.90	138.9	139
N 08	U01097	411	810730	1814	524	55 27.00	129 29.73	79.0	79
K 07	U01097	412	810731	1547	525	55 27.30	129 29.55	103.5	104
O 20	U01097	413	810731	1654	526	55 26.90	129 31.84	109.9	110
Q 19	U01097	414	810731	1715	527	55 26.70	129 31.66	217.7	218
S 18	U01097	415	810731	1741	528	55 26.50	129 31.49	157.1	157
N 14	U01097	416	810731	1800	529	55 27.00	129 30.78	102.2	90
O 13	U01097	417	810731	1818	530	55 26.90	129 30.61	187.5	188
P 12	U01097	418	810731	1832	531	55 26.80	129 30.43	136.9	137
L 10.5	U01097	419	810731	1918	532	55 27.20	129 30.17	85.9	86
L 10	U01097	420	810731	1935	533	55 27.20	129 30.08	169.9	170
M 09	U01097	421	810731	2013	535	55 27.10	129 29.90	137.3	137
N 08.5	U01097	422	810731	2026	536	55 27.00	129 29.82	109.2	109
N 08	U01097	423	810731	2048	537	55 27.00	129 29.73	103.9	104
N 14	U01097	424	810801	1505	539	55 27.00	129 30.78	100.9	101
O 13	U01097	425	810801	1519	540	55 26.90	129 30.61	187.7	188
P 12	U01097	426	810801	1532	541	55 26.80	129 30.43	137.5	138
N 14	U01097	427	810801	1543	542	55 27.00	129 30.78	100.7	101
O 13	U01097	428	810801	1557	543	55 26.90	129 30.61	186.2	186
P 12	U01097	429	810801	1612	544	55 26.80	129 30.43	140.0	140
N 14	U01097	430	810801	1624	545	55 27.00	129 30.78	101.9	102
O 13	U01097	431	810801	1638	546	55 26.90	129 30.61	186.7	187
P 12	U01097	432	810801	1651	547	55 26.80	129 30.43	137.9	138
N 14	U01097	433	810801	1708	548	55 27.00	129 30.78	100.5	101
O 13	U01097	434	810801	1728	549	55 26.90	129 30.61	188.1	188
P 12	U01097	435	810801	1740	550	55 26.80	129 30.43	138.5	139
N 14	U01097	436	810801	1752	551	55 27.00	129 30.78	103.9	104
O 13	U01097	437	810801	1804	552	55 26.90	129 30.61	188.2	188
P 12	U01097	438	810801	1816	553	55 26.80	129 30.43	139.0	139
N 14	U01097	439	810801	1920	554	55 27.00	129 30.78	102.1	102
O 13	U01097	440	810801	1932	555	55 26.90	129 30.61	188.1	188
P 12	U01097	441	810801	1944	556	55 26.80	129 30.43	139.6	140
N 08	U01097	442	810801	1959	557	55 27.00	129 29.73	91.0	91
M 09	U01097	443	810801	2012	558	55 27.10	129 29.90	126.7	127
K 07	U01097	444	810801	2024	559	55 27.30	129 29.55	98.8	99
R 26	U01097	445	810802	1516	561	55 26.60	129 32.90	267.0	267
Q 19	U01097	446	810802	1546	562	55 26.70	129 31.66	225.6	225
O 13	U01097	447	810802	1609	563	55 26.90	129 30.61	187.5	187
M 09	U01097	448	810802	1626	564	55 27.10	129 29.90	137.1	136
K 07	U01097	449	810802	1649	565	55 27.30	129 29.55	105.5	105
Q 19	U01097	450	810802	1715	566	55 26.70	129 31.66	225.9	225
O 13	U01097	451	810802	1738	567	55 26.90	129 30.61	189.2	188
M 09	U01097	452	810802	1803	568	55 27.10	129 29.90	134.8	134
Q 19	U01097	453	810802	1827	569	55 26.70	129 31.66	228.1	227
Q 16	U01097	454	810802	1847	570	55 26.70	129 31.14	236.7	236
O 13	U01097	455	810802	1906	571	55 26.90	129 30.61	189.6	190

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M 09	U01097	456	810802	1955	572	55 27.10	129 29.90	134.7	134
K 07	U01097	457	810802	2007	573	55 27.30	129 29.55	103.3	102
N 08	U01097	458	810802	2022	574	55 27.00	129 29.73	100.0	99
K170	U01097	459	810803	1601	575	55 24.70	129 40.64	77.0	76
F167	U01097	460	810803	1618	576	55 25.20	129 40.11	55.1	54
B168	U01097	461	810803	1636	577	55 25.60	129 40.28	185.2	184
U 67	U01097	462	810803	1739	579	55 26.30	129 40.11	215.8	215
V 66	U01097	463	810803	1812	580	55 26.20	129 39.94	188.8	188
W 65	U01097	464	810803	1828	581	55 26.10	129 39.76	144.7	144
Q 16	U01097	465	810803	1955	582	55 26.70	129 31.14	225.7	224
O 13	U01097	466	810803	2009	583	55 26.90	129 30.61	187.7	187
L 10	U01097	467	810803	2027	584	55 27.20	129 30.08	132.3	131
M 09	U01097	468	810803	2043	585	55 27.10	129 29.90	139.1	138
N 08	U01097	469	810803	2100	586	55 27.00	129 29.73	99.8	99
K 07	U01097	470	810803	2112	587	55 27.30	129 29.55	100.6	100
K 07	U01097	471	810804	1519	588	55 27.30	129 29.55	96.6	96
M 09	U01097	472	810804	1543	589	55 27.10	129 29.90	135.5	135
N 08	U01097	473	810804	1557	590	55 27.00	129 29.73	100.3	99
L 10	U01097	474	810804	1655	591	55 27.20	129 30.08	170.1	169
N 14	U01097	475	810804	1712	592	55 27.00	129 30.78	103.7	103
O 13	U01097	476	810804	1728	593	55 26.90	129 30.61	188.2	187
P 12	U01097	477	810804	1749	594	55 26.80	129 30.43	138.9	138
O 20	U01097	478	810804	1814	595	55 26.90	129 31.84	109.6	109
Q 19	U01097	479	810804	1832	596	55 26.70	129 31.66	250.8	250
S 18	U01097	480	810804	1847	597	55 26.50	129 31.49	158.1	157
K 07	U01097	481	810805	1455	598	55 27.30	129 29.55	96.9	97
M 09	U01097	482	810805	1515	599	55 27.10	129 29.90	134.8	134
N 08	U01097	483	810805	1529	600	55 27.00	129 29.73	100.9	100
U 67	U01097	484	810805	1630	601	55 26.30	129 40.11	208.0	207
K170	U01097	485	810805	1710	602	55 24.70	129 40.64	82.7	82
YY	U01097	486	810805	1740	603	55 25.07	129 43.07	175.2	174
GG	U01097	487	810805	1828	604	55 22.00	129 45.00	180.5	180
XX	U01097	488	810805	1916	605	55 19.08	129 46.70	275.0	274
K 39	U01097	489	810806	1532	606	55 27.30	129 35.18	155.2	154
M 40	U01097	490	810806	1551	607	55 27.10	129 35.36	267.5	267
O 41	U01097	491	810806	1632	608	55 26.90	129 35.54	267.1	266
N 24	U01097	492	810806	1710	609	55 27.00	129 32.54	124.8	124
P 25	U01097	493	810806	1740	610	55 26.80	129 32.72	268.0	267
R 26	U01097	494	810806	1800	611	55 26.60	129 32.90	267.9	268
T 27	U01097	495	810806	1817	612	55 26.40	129 33.07	172.2	171
O 20	U01097	496	810806	1837	613	55 26.90	129 31.84	108.6	108
Q 19	U01097	497	810806	1857	614	55 26.70	129 31.66	247.2	246
S 18	U01097	498	810806	1950	615	55 26.50	129 31.49	157.6	157
Q 16	U01097	499	810806	2009	616	55 26.70	129 31.14	231.7	230
N 14	U01097	500	810806	2033	617	55 27.00	129 30.78	100.0	99
O 13	U01097	501	810806	2047	618	55 26.90	129 30.61	184.5	184
P 12	U01097	502	810806	2100	619	55 26.80	129 30.43	135.9	135
L 10	U01097	503	810806	2117	620	55 27.20	129 30.08	169.7	169
M 09	U01097	504	810806	2131	621	55 27.10	129 29.90	147.7	147
N 08	U01097	505	810806	2143	622	55 27.00	129 29.73	100.9	100

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K 07	U01097	506	810806	2155	623 55	27.30	129 29.55	91.7	91
G 05	U01097	507	810806	2200	624 55	27.70	129 29.20	87.9	87
G 05	U01097	508	810807	1515	625 55	27.70	129 29.20	85.1	85
K 07	U01097	509	810807	1532	626 55	27.30	129 29.55	90.2	90
L 10	U01097	510	810807	1550	627 55	27.20	129 30.08	159.1	159
M 09	U01097	511	810807	1705	628 55	27.10	129 29.90	131.8	131
O 13	U01097	512	810807	1752	631 55	26.90	129 30.61	174.7	174
N 14	U01097	513	810807	1806	632 55	27.00	129 30.78	104.5	104
O 20	U01097	514	810807	1819	633 55	26.90	129 31.84	105.0	104
Q 19	U01097	515	810807	1837	634 55	26.70	129 31.66	230.0	229
S 18	U01097	516	810807	1852	635 55	26.50	129 31.49	230.2	229
T 27	U01097	517	810807	1936	636 55	26.40	129 33.07	159.0	158
R 26	U01097	518	810807	1952	637 55	26.60	129 32.90	248.7	248
P 25	U01097	519	810807	2009	638 55	26.80	129 32.72	270.2	269
N 24	U01097	520	810807	2023	639 55	27.00	129 32.54	117.0	116
L 31	U01097	521	810807	2039	640 55	27.20	129 33.78	141.0	140
N 32	U01097	522	810807	2053	641 55	27.00	129 33.95	269.0	268
P 33	U01097	523	810807	2109	642 55	26.80	129 34.13	269.0	268
R 34	U01097	524	810807	2122	643 55	26.60	129 34.30	129.9	129
K 39	U01097	525	810808	1542	644 55	27.30	129 35.18	152.1	151
M 40	U01097	526	810808	1600	645 55	27.10	129 35.36	274.0	272
O 41	U01097	527	810808	1614	646 55	26.90	129 35.54	261.0	259
R 34	U01097	528	810808	1632	647 55	26.60	129 34.30	126.2	124
P 33	U01097	529	810808	1647	648 55	26.80	129 34.13	271.0	269
N 32	U01097	530	810808	1708	649 55	27.00	129 33.95	269.6	268
L 31	U01097	531	810808	1725	650 55	27.20	129 33.78	142.1	140
N 24	U01097	532	810808	1743	651 55	27.00	129 32.54	115.9	114
R 26	U01097	533	810808	1817	653 55	26.60	129 32.90	249.8	249
T 27	U01097	534	810808	1832	654 55	26.40	129 33.07	160.0	158
S 18	U01097	535	810808	1851	655 55	26.50	129 31.49	151.9	151
Q 19	U01097	536	810808	1941	656 55	26.70	129 31.66	228.7	228
O 20	U01097	537	810808	1958	657 55	26.90	129 31.84	100.1	98
N 14	U01097	538	810808	2012	658 55	27.00	129 30.78	175.0	174
O 13	U01097	539	810808	2023	659 55	26.90	129 30.61	102.2	101
N 08	U01097	540	810808	2047	661 55	27.00	129 29.73	130.8	79
M 09	U01097	541	810808	2057	662 55	27.10	129 29.90	152.2	150
L 10	U01097	542	810808	2109	663 55	27.20	129 30.08	90.1	89
K 07	U01097	543	810808	2121	664 55	27.30	129 29.55	86.0	84
G 05	U01097	544	810808	2132	665 55	27.70	129 29.20	85.1	84
G 05	U01097	545	810809	1506	666 55	27.70	129 29.20	91.2	90
K 07	U01097	546	810809	1521	667 55	27.30	129 29.55	91.8	90
N 08	U01097	547	810809	1533	668 55	27.00	129 29.73	131.9	130
M 09	U01097	548	810809	1547	669 55	27.10	129 29.90	159.0	157
L 10	U01097	549	810809	1557	670 55	27.20	129 30.08	95.0	94
N 14	U01097	550	810809	1609	671 55	27.00	129 30.78	131.9	130
P 12	U01098	465	810809	1630	673 55	26.80	129 30.43	139.8	139
P 33	U01097	551	810809	1728	676 55	26.80	129 34.13	268.9	267
R 34	U01097	552	810809	1741	677 55	26.60	129 34.30	131.0	129
U 67	U01097	553	810809	1826	678 55	26.30	129 40.11	199.8	199
W 65	U01097	554	810809	1848	680 55	26.10	129 39.76	129.2	127

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B168	U01097	555	810809	1939	681	55	25.60	129 40.28	185.0 184
K170	U01097	556	810809	1955	682	55	24.70	129 40.64	79.9 78
K 07	U01097	557	810810	1459	683	55	27.30	129 29.55	90.0 88
N 08	U01097	558	810810	1508	684	55	27.00	129 29.73	89.9 88
P 12	U01097	559	810810	1521	685	55	26.80	129 30.43	129.9 128
O 13	U01097	560	810810	1530	686	55	26.90	129 30.61	163.0 161
N 14	U01097	561	810810	1539	687	55	27.00	129 30.78	96.1 94
Q 19	U01097	562	810810	1556	688	55	26.70	129 31.66	228.0 226
M 40	U01097	563	810810	1633	689	55	27.10	129 35.36	273.1 271
V 66	U01098	466	810810	1719	690	55	26.20	129 39.94	199.2 197
K170	U01098	1	810810	1753	691	55	24.70	129 40.64	76.0 75
GG	U01098	2	810810	1847	692	55	22.00	129 45.00	174.1 173
XX	U01098	3	810810	1949	693	55	19.08	129 46.70	267.8 267
DP	U01098	4	810810	2038	694	55	16.40	129 48.60	235.0 234
G 05	U01098	5	810811	1505	695	55	27.70	129 29.20	89.7 89
K 07	U01098	6	810811	1519	696	55	27.30	129 29.55	96.3 95
M 09	U01098	7	810811	1844	698	55	27.10	129 29.90	130.0 130
N 08	U01098	8	810811	1915	699	55	27.00	129 29.73	90.7 90
P 12	U01098	9	810811	2001	700	55	26.80	129 30.43	131.5 131
O 13	U01098	10	810811	2014	701	55	26.90	129 30.61	175.5 175
N 14	U01098	11	810811	2023	702	55	27.00	129 30.78	98.2 96
O 20	U01098	12	810811	2039	703	55	26.90	129 31.84	100.2 99
Q 19	U01098	13	810811	2055	704	55	26.70	129 31.66	208.9 208
S 18	U01098	14	810811	2109	705	55	26.50	129 31.49	130.1 129
T 27	U01098	15	810811	2128	706	55	26.40	129 33.07	154.0 153
R 26	U01098	16	810811	2143	707	55	26.60	129 32.90	237.9 237
P 25	U01098	17	810811	2158	708	55	26.80	129 32.72	204.6 204
N 24	U01098	18	810811	2211	709	55	27.00	129 32.54	106.6 105
N 08	U01098	19	810812	1427	710	55	27.00	129 29.73	90.6 90
P 12	U01098	20	810812	1438	711	55	26.80	129 30.43	129.6 129
O 13	U01098	21	810812	1450	712	55	26.90	129 30.61	174.0 173
N 14	U01098	22	810812	1500	713	55	27.00	129 30.78	96.0 94
M 40	U01098	23	810812	1535	714	55	27.10	129 35.36	268.2 268
V 66	U01098	24	810812	1611	715	55	26.20	129 39.94	189.7 190
K170	U01098	25	810812	1636	716	55	24.70	129 40.64	77.3 77
GG	U01098	26	810812	1721	717	55	22.00	129 45.00	170.2 170
XX	U01098	27	810812	1758	718	55	19.08	129 46.70	269.0 269
DP	U01098	28	810812	1842	719	55	16.40	129 48.60	268.1 268
HM	U01098	29	810812	1938	720	55	12.60	129 52.00	267.8 265
II	U01098	30	810812	2045	721	55	8.90	129 54.40	263.5 263
JJ	U01098	31	810812	2134	722	55	6.00	129 57.90	262.9 262
KK	U01098	431	810812	2224	723	55	.70	130 1.20	162.6 162
E 07	U01098	32	810813	1507	724	55	27.90	129 29.55	90.3 89
F 06	U01098	33	810813	1533	725	55	27.80	129 29.38	90.0 89
G 05	U01098	34	810813	1615	726	55	27.70	129 29.20	85.1 84
K 07	U01098	35	810813	1633	727	55	27.30	129 29.55	92.8 92
M 09	U01098	36	810813	1650	728	55	27.10	129 29.90	131.6 131
N 08	U01098	37	810813	1707	729	55	27.00	129 29.73	91.3 90
N 11	U01098	38	810813	1724	730	55	27.00	129 30.26	160.2 159
O 13	U01098	39	810813	1802	732	55	26.90	129 30.61	175.7 175

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P 12	U01098	40	810813	1807	733	55 26.80	129 30.43	127.8	127
Q 19	U01098	41	810813	1954	734	55 26.70	129 31.66	234.6	234
R 26	U01098	42	810813	2021	735	55 26.60	129 32.90	248.0	247
P 33	U01098	432	810813	2048	736	55 26.80	129 34.13	268.2	266
M 40	U01098	43	810813	2113	737	55 27.10	129 35.36	268.0	267
E 07	U01098	44	810814	1502	738	55 27.90	129 29.55	93.1	92
F 06	U01098	45	810814	1519	739	55 27.80	129 29.38	92.5	92
G 05	U01098	46	810814	1531	740	55 27.70	129 29.20	91.7	91
K 07	U01098	47	810814	1544	741	55 27.30	129 29.55	92.2	91
D 03	U01098	48	810814	1601	742	55 28.00	129 28.85	89.9	89
N 08	U01098	49	810814	1719	743	55 27.00	129 29.73	92.0	91
L 09	U01098	50	810814	1730	744	55 27.20	129 29.90	103.6	103
N 14	U01098	51	810814	1743	745	55 27.00	129 30.78	101.6	11
O 13	U01098	52	810814	1758	746	55 26.90	129 30.61	185.1	184
P 12	U01098	53	810814	1808	747	55 26.80	129 30.43	137.2	136
Q 19	U01098	54	810814	1831	748	55 26.70	129 31.66	250.1	249
R 34	U01098	55	810814	1859	749	55 26.60	129 34.30	125.9	125
P 33	U01098	56	810814	1915	750	55 26.80	129 34.13	269.2	268
N 32	U01098	57	810814	2040	751	55 27.00	129 33.95	285.5	253
L 31	U01098	58	810814	2117	752	55 27.20	129 33.78	148.2	144
P 25	U01098	59	810814	2114	753	55 26.80	129 32.72	254.7	251
G 05	U01098	60	810815	1501	754	55 27.70	129 29.20	93.9	89
K 07	U01098	61	810815	1501	755	55 27.30	129 29.55	93.9	89
N 08	U01098	62	810815	1526	756	55 27.00	129 29.73	81.5	77
P 12	U01098	63	810815	1545	757	55 26.80	129 30.43	144.1	139
O 13	U01098	64	810815	1603	758	55 26.90	129 30.61	187.5	183
N 14	U01098	65	810815	1735	759	55 27.00	129 30.78	104.2	100
Q 19	U01098	66	810815	1756	760	55 26.70	129 31.66	245.7	242
N 24	U01098	67	810815	1845	761	55 27.00	129 32.54	113.7	110
R 26	U01098	68	810815	2018	763	55 26.60	129 32.90	250.8	247
M 40	U01098	69	810815	2133	766	55 27.10	129 35.36	271.9	267
O 41	U01098	70	810815	2209	767	55 26.90	129 35.54	270.9	267
M 53	U01098	71	810815	2232	768	55 27.10	129 37.65	271.8	267
R 61	U01098	72	810816	1602	769	55 26.60	129 39.06	266.5	261
U 67	U01098	73	810816	1634	770	55 26.30	129 40.11	219.9	214
V 66	U01098	74	810816	1649	771	55 26.20	129 39.94	208.0	203
W 65	U01098	75	810816	1711	772	55 26.10	129 39.76	142.7	138
K170	U01098	76	810816	1738	773	55 24.70	129 40.64	73.7	70
YY	U01098	77	810816	1821	774	55 25.07	129 43.07	156.5	155
GG	U01098	78	810816	1934	775	55 22.00	129 45.00	192.0	187
XX	U01098	79	810816	1934	776	55 19.08	129 46.70	293.0	99
O 13	U01098	80	810816	0222	779	55 26.90	129 30.61	187.7	183
P 12	U01098	81	810816	0234	780	55 26.80	129 30.43	143.6	139
N 08	U01098	82	810816	0244	781	55 27.00	129 29.73	94.1	89
G 05	U01098	83	810817	1519	782	55 27.70	129 29.20	93.5	88
K 07	U01098	84	810817	1639	783	55 27.30	129 29.55	99.9	95
N 08	U01098	85	810817	1704	784	55 27.00	129 29.73	99.1	94
M 09	U01098	86	810817	1727	785	55 27.10	129 29.90	145.5	141
P 12	U01098	87	810817	1756	786	55 26.80	129 30.43	143.8	139
O 13	U01098	88	810817	1810	787	55 26.90	129 30.61	184.1	179

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N 14	U01098	89	810817	1956	788	55 27.00	129 30.78	100.5	100
S 18	U01098	90	810817	2015	789	55 26.50	129 31.49	156.7	156
G 19	U01098	91	810817	2032	790	55 26.70	129 31.66	248.2	247
O 20	U01098	92	810817	2111	791	55 26.90	129 31.84	101.1	100
N 32	U01098	93	810817	2140	792	55 27.00	129 33.95	203.8	203
YY	U01098	433	810818	1709	793	55 25.07	129 43.07	160.9	159
HA02	U01098	94	810818	1818	794	55 28.00	129 44.00	255.8	254
HA03	U01098	95	810818	1854	795	55 27.00	129 43.90	209.2	208
U 67	U01098	96	810818	2022	796	55 26.30	129 40.11	208.9	208
V 66	U01098	97	810818	2056	797	55 26.20	129 39.94	201.0	200
W 65	U01098	98	810818	2131	798	55 26.10	129 39.76	129.0	128
N 14	U01098	99	810818	2221	799	55 27.00	129 30.78	98.8	98
P 12	U01098	100	810818	2309	801	55 26.80	129 30.43	130.6	130
N 08	U01098	101	810818	2324	802	55 27.00	129 29.73	91.2	89
K 07	U01098	102	810818	2334	803	55 27.30	129 29.55	90.9	89
G 05	U01098	103	810819	1753	804	55 27.70	129 29.20	90.2	88
N 08	U01098	104	810819	1905	805	55 27.00	129 29.73	90.7	89
M 09	U01098	105	810819	2012	806	55 27.10	129 29.90	133.7	133
L 10	U01098	106	810819	2028	807	55 27.20	129 30.08	168.9	167
P 12	U01098	107	810819	2043	808	55 26.80	129 30.43	139.0	138
O 13	U01098	108	810819	2109	809	55 26.90	129 30.61	175.3	174
N 14	U01098	109	810819	2137	810	55 27.00	129 30.78	94.7	94
Q 19	U01098	110	810819	2212	811	55 26.70	129 31.66	198.1	197
N 32	U01098	111	810819	2309	812	55 27.00	129 33.95	198.0	197
K 07	U01098	112	810820	1524	813	55 27.30	129 29.55	91.9	91
N 08	U01098	113	810820	1546	814	55 27.00	129 29.73	91.6	91
M 09	U01098	114	810820	1604	815	55 27.10	129 29.90	138.8	137
P 12	U01098	115	810820	1629	816	55 26.80	129 30.43	139.7	138
O 13	U01098	116	810820	1643	817	55 26.90	129 30.61	174.8	174
N 14	U01098	117	810820	1712	818	55 27.00	129 30.78	100.2	99
Q 19	U01098	118	810820	1730	819	55 26.70	129 31.66	208.8	208
N 32	U01098	119	810820	1813	820	55 27.00	129 33.95	208.9	208
M 40	U01098	120	810820	1850	821	55 27.10	129 35.36	347.7	347
M 53	U01098	121	810820	2010	822	55 27.10	129 37.65	346.7	346
P 25	U01098	434	810820	2127	823	55 26.80	129 32.72	258.9	258
L 10	U01098	122	810821	1514	824	55 27.20	129 30.08	159.9	159
M 09	U01098	123	810821	1545	825	55 27.10	129 29.90	135.0	134
N 08	U01098	124	810821	1629	826	55 27.00	129 29.73	94.8	94
K 07	U01098	125	810821	1647	827	55 27.30	129 29.55	95.6	94
P 12	U01098	126	810821	1706	828	55 26.80	129 30.43	140.0	138
O 13	U01098	127	810821	1732	829	55 26.90	129 30.61	187.8	187
N 14	U01098	128	810821	1803	830	55 27.00	129 30.78	100.1	98
O 20	U01098	129	810821	1819	831	55 26.90	129 31.84	105.2	103
Q 19	U01098	130	810821	1838	832	55 26.70	129 31.66	239.6	238
S 18	U01098	131	810821	1904	833	55 26.50	129 31.49	149.1	144
M 09	U01098	132	810822	1534	834	55 27.10	129 29.90	134.8	134
U 13	U01098	133	810822	2109	835	55 26.90	129 30.61	165.1	164
M 09	U01098	134	810822	2149	837	55 27.10	129 29.90	134.8	134
N 08	U01098	135	810822	2203	838	55 27.00	129 29.73	89.0	87
K17C	U01098	136	810823	1546	840	55 24.70	129 40.64	79.6	79

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V 66	U01098	137	810823	1615	841 55	26.20	129 39.94	208.0	207
M 40	U01098	138	810823	1714	842 55	27.10	129 35.36	296.9	296
Q 19	U01098	139	810823	1812	843 55	26.70	129 31.66	16.0	15
O 13	U01098	140	810823	1847	844 55	26.90	129 30.61	178.7	179
L 10	U01098	141	810823	1939	845 55	27.20	129 30.08	162.5	162
M 09	U01098	142	810823	2017	846 55	27.10	129 29.90	134.1	134
N 08	U01098	143	810823	2039	847 55	27.00	129 29.73	95.7	95
K 07	U01098	144	810823	2052	848 55	27.30	129 29.55	100.6	100
G 05	U01098	145	810823	2105	849 55	27.70	129 29.20	85.2	84
G 05	U01098	146	810824	1524	850 55	27.70	129 29.20	89.6	89
K 07	U01098	147	810824	1541	851 55	27.30	129 29.55	94.6	93
N 08	U01098	148	810824	1603	852 55	27.00	129 29.73	89.7	89
N 08	U01098	149	810824	1619	853 55	27.00	129 29.73	81.0	25
M 09	U01098	150	810824	1650	854 55	27.10	129 29.90	138.5	138
L 10	U01098	151	810824	1710	855 55	27.20	129 30.08	154.6	154
O 13	U01098	152	810824	1745	857 55	26.90	129 30.61	177.8	177
P 12	U01098	153	810824	1801	858 55	26.80	129 30.43	149.1	148
S 18	U01098	154	810824	1827	859 55	26.50	129 31.49	149.5	149
Q 19	U01098	155	810824	1845	860 55	26.70	129 31.66	237.7	237
O 20	U01098	156	810824	1905	861 55	26.90	129 31.84	104.5	104
V 66	U01098	157	810825	1547	862 55	26.20	129 39.94	198.5	198
M 40	U01098	158	810825	1702	864 55	27.10	129 35.36	308.6	308
K 39	U01098	159	810825	1723	865 55	27.30	129 35.18	148.0	147
G 19	U01098	160	810825	1755	866 55	26.70	129 31.66	237.8	237
O 13	U01098	161	810825	1817	867 55	26.90	129 30.61	178.9	178
L 10	U01098	162	810825	1833	868 55	27.20	129 30.08	164.0	163
M 09	U01098	163	810825	1850	869 55	27.10	129 29.90	139.0	138
K 07	U01098	164	810825	1920	871 55	27.30	129 29.55	91.1	90
G 05	U01098	165	810825	2006	872 55	27.70	129 29.20	94.7	94
HA00	U01098	166	810826	1734	873 55	36.00	129 47.50	173.6	172
HA01	U01098	167	810826	1856	874 55	32.00	129 47.00	247.2	245
HA02	U01098	168	810826	2034	875 55	28.00	129 44.00	249.0	248
V 66	U01098	169	810826	2154	876 55	26.20	129 39.94	188.7	188
O 13	U01098	170	810826	2254	877 55	26.90	129 30.61	178.7	178
N 08	U01098	171	810826	2314	878 55	27.00	129 29.73	89.9	89
K 07	U01098	172	810826	2325	879 55	27.30	129 29.55	90.0	89
R 34	U01098	173	810827	1510	880 55	26.60	129 34.30	125.9	125
P 33	U01098	174	810827	1528	881 55	26.80	129 34.13	296.8	296
N 32	U01098	175	810827	1549	882 55	27.00	129 33.95	207.5	207
L 31	U01098	176	810827	1604	883 55	27.20	129 33.78	145.2	144
P 25	U01098	177	810827	1628	884 55	26.80	129 32.72	293.0	292
G 19	U01098	178	810827	1701	885 55	26.70	129 31.66	247.9	247
N 14	U01098	179	810827	1721	886 55	27.00	129 30.78	99.7	99
O 13	U01098	180	810827	1734	887 55	26.90	129 30.61	183.9	184
P 12	U01098	181	810827	1749	888 55	26.80	129 30.43	135.8	136
N 08	U01098	182	810827	1803	889 55	27.00	129 29.73	94.8	94
M 09	U01098	183	810827	1816	890 55	27.10	129 29.90	139.2	138
M 09	U01098	184	810828	1455	894 55	27.10	129 29.90	139.1	138
K 07	U01098	185	810828	1520	895 55	27.30	129 29.55	95.2	94
N 08	U01098	186	810828	1537	896 55	27.00	129 29.73	90.9	89

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N 14	U01098	187	810828	1655	897	55 27.00	129 30.78	100.8	100
O 13	U01098	188	810828	1713	898	55 26.90	129 30.61	182.9	182
P 12	U01098	189	810828	1731	899	55 26.80	129 30.43	135.2	134
S 18	U01098	190	810828	1801	900	55 26.50	129 31.49	149.5	149
Q 19	U01098	191	810828	1829	901	55 26.70	129 31.66	239.1	238
O 20	U01098	192	810828	1852	902	55 26.90	129 31.84	102.1	2
M 40	U01098	193	810828	2018	903	55 27.10	129 35.36	335.8	335
K 07	U01098	194	810829	1501	904	55 27.30	129 29.55	97.1	97
N 08	U01098	195	810829	1525	905	55 27.00	129 29.73	89.9	88
M 09	U01098	196	810829	1537	906	55 27.10	129 29.90	136.6	136
L 10	U01098	197	810829	1552	907	55 27.20	129 30.08	172.0	171
P 12	U01098	198	810829	1608	908	55 26.80	129 30.43	138.0	137
P 12	U01098	199	810829	1628	909	55 26.80	129 30.43	185.6	185
N 14	U01098	200	810829	1648	910	55 27.00	129 30.78	99.1	98
K 07	U01098	201	810829	1705	911	55 27.30	129 29.55	94.9	94
N 08	U01098	202	810829	1720	912	55 27.00	129 29.73	85.1	83
M 09	U01098	203	810829	1740	913	55 27.10	129 29.90	139.0	138
M 09	U01098	204	810829	1756	914	55 27.10	129 29.90	138.0	137
O 13	U01098	205	810829	1815	915	55 26.90	129 30.61	175.9	175
O 13	U01098	206	810829	1831	916	55 26.90	129 30.61	175.9	176
O 13	U01098	207	810829	1857	918	55 26.90	129 30.61	148.1	147
K 07	U01098	208	810829	1953	919	55 27.30	129 29.55	90.9	90
M 09	U01098	209	810829	2013	920	55 27.10	129 29.90	138.0	137
O 13	U01098	210	810829	2027	921	55 26.90	129 30.61	179.0	178
K 07	U01098	211	810830	1457	922	55 27.30	129 29.55	90.0	89
N 08	U01098	212	810830	1510	923	55 27.00	129 29.73	90.5	90
P 12	U01098	213	810830	1525	924	55 26.80	129 30.43	136.7	136
O 13	U01098	214	810830	1538	925	55 26.90	129 30.61	182.8	181
N 14	U01098	215	810830	1554	926	55 27.00	129 30.78	93.2	92
Q 19	U01098	216	810830	1614	927	55 26.70	129 31.66	238.5	238
P 25	U01098	217	810830	1649	928	55 26.80	129 32.72	279.4	279
R 26	U01098	218	810830	1703	929	55 26.60	129 32.90	257.0	256
N 32	U01098	219	810830	1726	930	55 27.00	129 33.95	208.8	208
P 33	U01098	220	810830	1804	931	55 26.80	129 34.13	335.0	334
M 40	U01098	221	810830	1826	932	55 27.10	129 35.36	337.0	336
P 25	U01098	222	810830	1915	933	55 26.80	129 32.72	277.1	276
P 25	U01098	223	810830	2012	934	55 26.80	129 32.72	237.9	237
U 67	U01098	224	810831	1540	936	55 26.30	129 40.11	209.2	208
V 66	U01098	225	810831	1555	937	55 26.20	129 39.94	198.8	198
W 65	U01098	226	810831	1611	938	55 26.10	129 39.76	134.6	134
K170	U01098	227	810831	1634	939	55 24.70	129 40.64	80.2	79
GG	U01098	228	810831	1734	940	55 22.00	129 45.00	178.9	178
KL	U01098	229	810831	1808	941	55 24.00	129 46.20	109.9	109
LL	U01098	230	810831	1832	942	55 25.25	129 46.00	111.6	111
MM	U01098	231	810831	1856	943	55 25.00	129 48.00	79.7	79
YY	U01098	232	810831	2226	944	55 25.07	129 43.07	163.9	163
N 08	U01098	233	810831	2357	945	55 27.00	129 29.73	90.7	90
G 05	U01098	234	810901	1445	946	55 27.70	129 29.20	88.8	88
K 07	U01098	235	810901	1459	947	55 27.30	129 29.55	95.5	95
M 09	U01098	236	810901	1514	948	55 27.10	129 29.90	139.6	139

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O 13	U01098	237	810901	1530	949	55	26.90	129 30.61	184.7 184
Q 19	U01098	238	810901	1603	950	55	26.70	129 31.66	251.0 250
P 25	U01098	239	810901	1623	951	55	26.80	129 32.72	277.0 276
Q 19	U01098	240	810901	1645	952	55	26.70	129 31.66	238.6 238
Q 19	U01098	241	810901	1703	953	55	26.70	129 31.66	249.0 248
O 13	U01098	242	810901	1725	954	55	26.90	129 30.61	183.8 183
M 09	U01098	243	810901	1747	955	55	27.10	129 29.90	139.6 139
O 13	U01098	244	810901	1800	956	55	26.90	129 30.61	185.2 184
Q 19	U01098	245	810901	1826	957	55	26.70	129 31.66	248.9 248
Q 19	U01098	246	810901	1841	958	55	26.70	129 31.66	241.0 240
Q 19	U01098	247	810901	2025	960	55	26.70	129 31.66	238.9 239
O 13	U01098	248	810901	2047	961	55	26.90	129 30.61	184.2 183
K170	U01098	249	810902	1535	962	55	24.70	129 40.64	86.6 87
B162	U01098	250	810902	1605	963	55	25.60	129 40.28	199.9 199
V 66	U01098	251	810902	1629	964	55	26.20	129 39.94	192.9 192
M 53	U01098	252	810902	1710	965	55	27.10	129 37.65	299.1 298
M 40	U01098	253	810902	1803	966	55	27.10	129 35.36	298.0 297
P 33	U01098	254	810902	1832	967	55	26.80	129 34.13	298.2 297
R 26	U01098	255	810902	1902	968	55	26.60	129 32.90	262.6 262
Q 19	U01098	256	810902	1950	969	55	26.70	129 31.66	248.6 248
O 13	U01098	257	810902	2014	970	55	26.90	129 30.61	185.1 184
N 08	U01098	258	810902	2029	971	55	27.00	129 29.73	93.1 92
K 07	U01098	259	810902	2041	972	55	27.30	129 29.55	90.7 90
K 07	U01098	260	810903	1459	974	55	27.30	129 29.55	94.9 94
N 08	U01098	261	810903	1509	975	55	27.00	129 29.73	88.9 88
M 09	U01098	262	810903	1521	976	55	27.10	129 29.90	141.3 140
L 10	U01098	263	810903	1534	977	55	27.20	129 30.08	170.6 170
O 10	U01098	264	810903	1551	978	55	26.90	129 30.08	80.7 80
N 11	U01098	265	810903	1604	979	55	27.00	129 30.26	170.6 170
M 12	U01098	266	810903	1621	980	55	27.10	129 30.43	170.7 169
P 12	U01098	267	810903	1638	981	55	26.80	129 30.43	136.0 135
O 13	U01098	268	810903	1653	982	55	26.90	129 30.61	184.1 183
N 14	U01098	269	810903	1714	983	55	27.00	129 30.78	102.9 101
N 08	U01098	270	810903	1727	984	55	27.00	129 29.73	95.0 94
M 09	U01098	271	810903	1738	985	55	27.10	129 29.90	142.7 142
L 10	U01098	272	810903	1753	986	55	27.20	129 30.08	171.6 171
N 08	U01098	273	810903	1821	987	55	27.00	129 29.73	92.0 91
N 08	U01098	274	810903	1839	988	55	27.00	129 29.73	94.0 93
N 08	U01098	275	810903	1854	989	55	27.00	129 29.73	95.0 94
M 09	U01098	276	810903	1937	990	55	27.10	129 29.90	141.0 140
K 07	U01098	277	810903	1952	991	55	27.30	129 29.55	90.6 90
K 07	U01098	278	810904	1451	992	55	27.30	129 29.55	90.9 90
L 10	U01098	279	810904	1514	993	55	27.20	129 30.08	128.8 128
M 09	U01098	280	810904	1544	994	55	27.10	129 29.90	138.5 137
N 08	U01098	281	810904	1557	995	55	27.00	129 29.73	96.5 96
N 14	U01098	282	810904	1715	996	55	27.00	129 30.78	101.8 101
O 13	U01098	283	810904	1727	997	55	26.90	129 30.61	184.1 182
P 12	U01098	284	810904	1741	998	55	26.80	129 30.43	136.2 134
P 12	U01098	287	810904	1741	998	55	26.80	129 30.43	136.2 134
G 19	U01098	288	810904	1807	999	55	26.70	129 31.66	252.8 252

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Q 19	U01098	285	810904	1807	999	55 26.70	129 31.66	252.8	252
P 25	U01098	286	810904	1831	1000	55 26.80	129 32.72	297.0	296
P 25	U01098	289	810904	1831	1000	55 26.80	129 32.72	297.0	296
R 26	U01098	290	810904	1854	1001	55 26.60	129 32.90	267.0	266
L 31	U01098	291	810904	1939	1002	55 27.20	129 33.78	149.0	148
N 32	U01098	292	810904	1955	1003	55 27.00	129 33.95	209.7	209
P 33	U01098	293	810904	2017	1004	55 26.80	129 34.13	346.1	290
R 34	U01098	294	810904	2034	1005	55 26.60	129 34.30	119.9	118
SI01	U01098	295	810905	1554	1006	55 25.30	129 40.28	27.6	26
SI02	U01098	296	810905	1607	1007	55 25.30	129 40.28	26.7	26
SI03	U01098	297	810905	1648	1008	55 25.30	129 40.28	26.0	25
SI06	U01098	298	810905	1702	1011	55 25.30	129 40.28	26.0	20
SI07	U01098	299	810905	1717	1012	55 25.30	129 40.28	26.7	26
SI08	U01098	300	810905	1731	1013	55 25.30	129 40.28	26.6	26
SI09	U01098	301	810905	1746	1014	55 25.30	129 40.28	27.0	26
SI10	U01098	302	810905	1800	1015	55 25.30	129 40.28	27.0	26
SI11	U01098	303	810905	1816	1016	55 25.30	129 40.28	27.0	26
SI12	U01098	304	810905	1832	1017	55 25.30	129 40.28	27.0	26
SI14	U01098	305	810905	1851	1019	55 25.30	129 40.28	27.0	26
SI15	U01098	306	810905	1901	1020	55 25.30	129 40.28	27.0	26
SI18	U01098	307	810905	1946	1023	55 25.30	129 40.28	27.1	26
SI19	U01098	308	810905	2001	1024	55 25.30	129 40.28	27.1	26
SI20	U01098	309	810905	2016	1025	55 25.30	129 40.28	17.4	26
SI23	U01098	310	810905	2101	1028	55 25.30	129 40.28	26.8	26
SI24	U01098	311	810905	2116	1029	55 25.30	129 40.28	25.8	25
SI25	U01098	312	810905	2131	1030	55 25.30	129 40.28	25.8	25
SI26	U01098	313	810905	2146	1031	55 25.30	129 40.28	26.0	25
SI27	U01098	314	810905	2201	1032	55 25.30	129 40.28	26.6	26
N 08	U01098	315	810905	2306	1033	55 27.00	129 29.73	90.6	90
K 07	U01098	316	810906	1454	1034	55 27.30	129 29.55	91.9	90
M 09	U01098	317	810906	1522	1036	55 27.10	129 29.90	131.7	131
N 08	U01098	318	810906	1534	1037	55 27.00	129 29.73	102.9	101
O 10	U01098	319	810906	1546	1038	55 26.90	129 30.08	92.0	91
N 11	U01098	320	810906	1558	1039	55 27.00	129 30.26	183.8	182
M 12	U01098	321	810906	1616	1040	55 27.10	129 30.43	161.0	160
N 14	U01098	322	810906	1628	1041	55 27.00	129 30.78	123.1	122
O 13	U01098	323	810906	1642	1042	55 26.90	129 30.61	207.0	205
P 12	U01098	324	810906	1700	1043	55 26.80	129 30.43	186.8	186
Q 11	U01098	325	810906	1716	1044	55 26.70	129 30.26	117.0	116
Q 13	U01098	326	810906	1738	1045	55 26.70	129 30.61	138.9	138
Q 14	U01098	327	810906	1749	1046	55 26.70	129 30.78	240.8	239
P 15	U01098	328	810906	1809	1047	55 26.80	129 30.96	242.8	242
Q 16	U01098	329	810906	1825	1048	55 26.90	129 31.14	137.0	136
N 17	U01098	331	810906	1835	1049	55 27.00	129 31.31	55.0	54
N 17	U01098	330	810906	1835	1049	55 27.00	129 31.31	55.0	54
O 20	U01098	332	810906	1849	1050	55 26.90	129 31.84	165.0	163
Q 19	U01098	333	810906	1930	1051	55 26.70	129 31.66	275.9	275
S 18	U01098	334	810906	1951	1052	55 26.50	129 31.49	34.6	34
RED1	U01098	335	810907	1700	1053	55 31.58	129 46.50	219.0	185
H1	U01098	336	810907	1816	1054	55 37.03	129 48.00	102.7	103

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
H2	U01098	337	810907	1906	1055	55 36.60	129 47.85	113.9	114
H3	U01098	338	810907	1932	1056	55 36.00	129 47.60	149.0	149
H4	U01098	339	810907	1950	1057	55 35.79	129 47.40	167.0	167
H5	U01098	340	810907	2031	1058	55 33.73	129 47.60	266.0	264
H4.5	U01098	341	810907	2050	1059	55 34.70	129 47.85	254.9	255
H6	U01098	342	810907	2128	1060	55 32.41	129 47.02	277.0	277
H7	U01098	343	810907	2155	1061	55 31.05	129 46.60	304.0	304
H9	U01098	344	810907	2245	1062	55 28.50	129 44.90	312.0	312
H10	U01098	345	810907	2325	1063	55 25.80	129 43.41	186.0	186
H11	U01098	346	810907	2358	1064	55 23.30	129 42.75	158.9	159
K170	U01098	347	810907	0023	1065	55 24.70	129 40.64	85.1	85
B168	U01098	348	810908	0042	1066	55 25.60	129 40.28	199.1	199
F 06	U01098	349	810908	1454	1067	55 27.80	129 29.38	103.0	102
F 08	U01098	350	810908	1505	1068	55 27.80	129 29.73	106.0	104
H 08	U01098	351	810908	1517	1069	55 27.60	129 29.73	107.0	105
J 08	U01098	352	810908	1529	1070	55 27.40	129 29.73	107.9	107
L 10	U01098	353	810908	1543	1071	55 27.20	129 30.08	171.0	169
M 12	U01098	354	810908	1550	1072	55 27.10	129 30.43	170.6	170
N 14	U01098	355	810908	1618	1073	55 27.00	129 30.78	152.1	151
O 16	U01098	356	810908	1631	1074	55 26.90	129 31.14	165.0	164
O 18	U01098	357	810908	1647	1075	55 26.90	129 31.49	145.9	145
O 20	U01098	358	810908	1704	1076	55 26.90	129 31.84	199.0	198
N 22	U01098	359	810908	1721	1077	55 27.00	129 32.19	107.9	107
Q 19	U01098	360	810908	1741	1078	55 26.70	129 31.66	263.9	263
O 23	U01098	361	810908	1802	1079	55 26.90	129 32.37	152.0	151
S 18	U01098	362	810908	1824	1080	55 26.50	129 31.49	228.7	228
M 09	U01098	363	810908	1853	1081	55 27.10	129 29.90	156.5	156
N 08	U01098	364	810908	1938	1082	55 27.00	129 29.73	110.9	110
K 07	U01098	365	810908	1951	1083	55 27.30	129 29.55	108.0	107
Q 19	U01098	366	810909	1523	1085	55 26.70	129 31.66	249.7	250
M 40	U01098	367	810909	1558	1086	55 27.10	129 35.36	351.1	351
M 53	U01098	368	810909	1629	1087	55 27.10	129 37.65	358.1	358
Y 67	U01098	384	810909	1658	1088	55 25.90	129 40.11	230.0	230
K170	U01098	369	810909	1725	1089	55 24.70	129 40.64	85.9	86
H11.5	U01098	385	810909	1747	1090	55 22.80	129 43.50	44.0	44
H11	U01098	386	810909	1800	1091	55 23.30	129 42.75	147.8	148
H12	U01098	387	810909	1829	1092	55 22.05	129 45.30	149.7	150
H13	U01098	388	810909	1854	1093	55 23.60	129 46.00	123.5	122
H14	U01098	389	810909	1936	1094	55 25.10	129 46.70	109.8	110
H15	U01098	390	810909	2008	1095	55 23.82	129 49.55	90.0	90
H16	U01098	391	810909	2025	1096	55 22.76	129 49.56	90.1	89
H17	U01098	392	810909	2046	1097	55 21.70	129 49.75	48.8	49
K 07	U01098	370	810910	1448	1098	55 27.30	129 29.55	108.6	108
N 08	U01098	371	810910	1500	1099	55 27.00	129 29.73	104.9	103
M 09	U01098	372	810910	1510	1100	55 27.10	129 29.90	147.0	146
L 10	U01098	373	810910	1527	1101	55 27.20	129 30.08	175.0	174
N 14	U01098	374	810910	1721	1102	55 27.00	129 30.78	98.2	96
O 13	U01098	375	810910	1734	1103	55 26.90	129 30.61	188.8	188
P 12	U01098	376	810910	1747	1104	55 26.80	129 30.43	139.1	137
S 18	U01098	393	810910	1807	1105	55 26.50	129 31.49	160.0	159

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
S 18	U01098	377	810910	1807	1105	55 26.50	129 31.49	160.0	159
Q 19	U01098	378	810910	1819	1106	55 26.70	129 31.66	248.5	248
Q 19	U01098	394	810910	1819	1106	55 26.70	129 31.66	248.5	248
O 20	U01098	395	810910	1831	1107	55 26.90	129 31.84	110.2	109
O 20	U01098	379	810910	1831	1107	55 26.90	129 31.84	110.2	109
N 32	U01098	380	810910	1854	1108	55 27.00	129 33.95	215.0	214
N 32	U01098	396	810910	1854	1108	55 27.00	129 33.95	215.0	214
K 39	U01098	397	810911	1518	1109	55 27.30	129 35.18	160.6	160
K 39	U01098	381	810911	1518	1109	55 27.30	129 35.18	160.6	160
M 40	U01098	382	810911	1537	1110	55 27.10	129 35.36	356.5	355
M 40	U01098	398	810911	1537	1110	55 27.10	129 35.36	356.5	355
Q 41	U01098	399	810911	1602	1111	55 26.90	129 35.54	274.7	273
Q 41	U01098	383	810911	1602	1111	55 26.90	129 35.54	274.7	273
L 31	U01098	400	810911	1623	1112	55 27.20	129 33.78	151.1	150
N 32	U01098	401	810911	1640	1113	55 27.00	129 33.95	216.9	215
I 34	U01098	402	810911	1724	1115	55 27.50	129 34.30	130.1	129
M 24	U01098	403	810911	1742	1116	55 27.00	129 32.54	125.0	124
P 25	U01098	416	810911	1801	1117	55 26.80	129 32.72	248.7	248
R 26	U01098	417	810911	1825	1118	55 26.60	129 32.90	247.0	246
T 27	U01098	404	810911	1952	1119	55 26.40	129 33.07	181.7	181
Q 19	U01098	405	810911	2018	1120	55 26.70	129 31.66	247.7	247
N 14	U01098	406	810911	2037	1121	55 27.00	129 30.78	100.0	99
O 13	U01098	407	810911	2055	1122	55 26.90	129 30.61	175.0	174
P 12	U01098	408	810911	2111	1123	55 26.80	129 30.43	144.7	144
M 08	U01098	409	810911	2131	1124	55 27.00	129 29.73	103.6	103
L 10	U01098	410	810911	2206	1126	55 27.20	129 30.08	173.9	167
N 09	U01098	411	810912	1330	1129	55 27.00	129 29.90	99.8	99
V 66	U01098	412	810912	1424	1130	55 26.20	129 39.94	208.0	206
YY	U01098	418	810912	1502	1131	55 25.07	129 43.07	169.5	168
GG	U01098	419	810912	1540	1132	55 22.00	129 45.00	178.7	178
QB3B	U01098	413	810912	1730	1134	55 12.00	129 52.40	322.7	322
QB2B	U01098	414	810912	1832	1135	55 6.75	129 57.25	346.2	345
QB 1	U01098	415	810912	1947	1136	54 59.60	130 2.35	208.5	208
PI 2	U01098	420	810912	2135	1137	54 49.00	130 15.00	345.6	345

APPENDIX D

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
B168	UQ1097	461	810803	1636	577	55 25.60	129 40.28	185.2	184
B168	UQ1097	555	810809	1939	681	55 25.60	129 40.28	185.0	184
B168	UQ1098	250	810802	1605	963	55 25.60	129 40.28	199.9	199
B168	UQ1098	348	810808	0042	1066	55 25.60	129 40.28	199.1	199
D 03	UQ1098	48	810816	1601	742	55 28.00	129 28.85	89.9	89
DP	UQ1098	4	810810	2038	694	55 16.40	129 48.60	235.0	234
DP	UQ1098	28	810812	1842	719	55 16.40	129 48.60	268.1	268
E 07	UQ1098	32	810813	1507	724	55 27.90	128 29.55	90.3	89
E 07	UQ1098	64	810816	1502	738	55 27.90	128 29.55	93.1	92
F 06	UQ1098	33	810813	1533	725	55 27.80	129 29.38	90.0	89
F 06	UQ1098	45	810816	1519	739	55 27.80	129 29.38	92.5	92
F 06	UQ1098	369	810908	1654	1067	55 27.80	129 29.38	103.0	102
F 08	UQ1098	350	810908	1505	1068	55 27.80	129 29.73	106.0	104
F167	UQ1097	460	810803	1618	576	55 25.20	129 40.11	55.1	54
G 05	UQ1097	3	810624	0309	14	55 27.70	129 29.20	87.9	86
G 05	UQ1097	20	810625	0160	32	55 27.70	129 29.20	97.0	95
G 05	UQ1097	72	810629	2050	89	55 27.70	129 29.20	99.7	98
G 05	UQ1097	159	810707	1513	175	55 27.70	129 29.20	98.7	97
G 05	UQ1097	189	810710	1505	225	55 27.70	129 29.20	95.6	94
G 05	UQ1098	484	810715	1843	310	55 27.70	129 29.20	96.8	97
G 05	UQ1098	663	810716	2015	326	55 27.70	129 29.20	94.9	95
G 05	UQ1097	276	810720	1654	377	55 27.70	129 29.20	88.0	88
G 05	UQ1097	507	810806	2200	624	55 27.70	129 29.20	87.9	87
G 05	UQ1097	508	810807	1515	625	55 27.70	129 29.20	85.1	85
G 05	UQ1097	544	810808	2132	665	55 27.70	129 29.20	85.1	84
G 05	UQ1097	545	810809	1506	666	55 27.70	129 29.20	91.2	90
G 05	UQ1098	5	810811	1505	695	55 27.70	129 29.20	89.7	89
G 05	UQ1098	34	810813	1615	726	55 27.70	129 29.20	85.1	84
G 05	UQ1098	46	810814	1531	740	55 27.70	129 29.20	91.7	91
G 05	UQ1098	60	810815	1501	754	55 27.70	129 29.20	93.9	89
G 05	UQ1098	83	810817	1519	782	55 27.70	129 29.20	93.5	88
G 05	UQ1098	103	810819	1753	804	55 27.70	129 29.20	90.2	88
G 05	UQ1098	145	810823	2105	849	55 27.70	129 29.20	85.2	84
G 05	UQ1098	146	810824	1524	850	55 27.70	129 29.20	89.6	89
G 05	UQ1098	165	810825	2006	872	55 27.70	129 29.20	94.7	94
G 05	UQ1098	234	810901	1645	946	55 27.70	129 29.20	88.8	88
GG	UQ1097	297	810721	2015	400	55 22.00	129 45.00	177.0	177
GG	UQ1097	386	810728	1833	497	55 22.00	129 45.00	179.9	180
GG	UQ1097	487	810805	1828	604	55 22.00	129 45.00	180.5	180
GG	UQ1098	2	810810	1847	692	55 22.00	129 45.00	174.1	173
GG	UQ1098	26	810812	1721	717	55 22.00	129 45.00	170.2	170
GG	UQ1098	78	810816	1934	775	55 22.00	129 45.00	192.0	187
GG	UQ1098	228	810831	1734	940	55 22.00	129 45.00	178.9	178
GG	UQ1098	419	810912	1540	1132	55 22.00	129 45.00	178.7	178
H 02	UQ1098	351	810908	1517	1069	55 27.60	129 29.73	107.0	105
H1	UQ1098	336	810907	1816	1054	55 37.03	129 48.00	102.7	103
H10	UQ1098	345	810907	2325	1063	55 25.80	129 43.41	186.0	186
H11	UQ1098	346	810907	2358	1064	55 23.30	129 42.75	158.9	159
H11	UQ1098	386	810909	1800	1091	55 23.30	129 42.75	147.8	148
H11.5	UQ1098	385	810909	1747	1090	55 22.80	129 43.50	44.0	44

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
H12	U01098	387	810909	1829	1092	55 22.05	129 45.30	149.7	150
H13	U01098	388	810909	1854	1093	55 23.60	129 46.00	123.5	122
H14	U01098	389	810909	1936	1094	55 25.10	129 46.70	109.8	110
H15	U01098	390	810909	2008	1095	55 23.82	129 49.55	90.0	90
H16	U01098	391	810909	2025	1096	55 22.76	129 49.56	90.1	89
H17	U01098	392	810909	2046	1097	55 21.70	129 49.75	48.8	49
H2	U01098	337	810907	1906	1055	55 36.60	129 47.85	113.9	114
H3	U01098	338	810907	1932	1056	55 36.00	129 47.60	149.0	149
H4	U01098	339	810907	1950	1057	55 35.79	129 47.40	167.0	167
H4.5	U01098	341	810907	2050	1059	55 34.70	129 47.85	254.9	255
H5	U01098	340	810907	2031	1058	55 33.73	129 47.60	266.0	264
H6	U01098	342	810907	2128	1060	55 32.41	129 47.02	277.0	277
H7	U01098	343	810907	2155	1061	55 31.05	129 46.60	304.0	304
H9	U01098	344	810907	2245	1062	55 28.50	129 44.90	312.0	312
HA	U01097	51	810628	1828	68	55 25.07	129 43.07	160.9	158
HA0C	U01098	166	810826	1734	873	55 36.00	129 47.50	173.6	172
HA01	U01098	167	810826	1856	874	55 32.00	129 47.00	247.2	245
HA02	U01098	94	810818	1818	794	55 28.00	129 44.00	255.8	254
HA02	U01098	168	810826	2034	875	55 28.00	129 44.00	249.0	248
HA03	U01098	95	810818	1854	795	55 27.00	129 43.90	209.2	208
HH	U01098	29	810812	1938	720	55 12.60	129 52.00	267.8	265
I 34	U01098	402	810911	1724	1115	55 27.50	129 34.30	130.1	129
II	U01098	30	810812	2045	721	55 8.90	129 54.40	263.5	263
J 08	U01098	352	810908	1529	1070	55 27.40	129 29.73	107.9	107
JJ	U01098	31	810812	2134	722	55 6.00	129 57.90	262.9	262
K 07	U01097	2	810624	0255	13	55 27.30	129 29.55	102.6	101
K 07	U01097	19	810625	0122	31	55 27.30	129 29.55	102.5	101
K 07	U01097	49	810627	2312	66	55 27.30	129 29.55	96.0	94
K 07	U01097	83	810630	2055	99	55 27.30	129 29.55	100.6	99
K 07	U01097	108	810702	1918	124	55 27.30	129 29.55	82.8	83
K 07	U01097	118	810703	1918	125	55 27.30	129 29.55	90.7	89
K 07	U01097	130	810704	2004	147	55 27.30	129 29.55	95.7	94
K 07	U01097	158	810706	2116	174	55 27.30	129 29.55	108.9	108
K 07	U01097	171	810707	1915	187	55 27.30	129 29.55	107.0	106
K 07	U01097	202	810711	2143	255	55 27.30	129 29.55	109.2	108
K 07	U01097	215	810712	2054	269	55 27.30	129 29.55	108.8	109
K 07	U01097	221	810713	1807	281	55 27.30	129 29.55	107.9	107
K 07	U01097	226	810714	1923	295	55 27.30	129 29.55	108.0	108
K 07	U01097	237	810715	1830	309	55 27.30	129 29.55	107.0	107
K 07	U01097	241	810716	1925	325	55 27.30	129 29.55	93.9	90
K 07	U01098	429	810718	2015	357	55 27.30	129 29.55	91.7	92
K 07	U01097	275	810719	2128	376	55 27.30	129 29.55	91.9	75
K 07	U01097	277	810720	1507	378	55 27.30	129 29.55	95.6	54
K 07	U01097	292	810721	1710	395	55 27.30	129 29.55	92.9	93
K 07	U01097	321	810724	1454	426	55 27.30	129 29.55	89.1	89
K 07	U01097	322	810724	1506	427	55 27.30	129 29.55	94.2	94
K 07	U01097	331	810725	1500	437	55 27.30	129 29.55	92.5	93
K 07	U01097	346	810725	2014	456	55 27.30	129 29.55	104.6	105
K 07	U01097	347	810726	1459	457	55 27.30	129 29.55	103.9	104
K 07	U01097	363	810726	2106	473	55 27.30	129 29.55	103.6	104

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
K 07	U01097	377	810727	2005	488	55 27.30	129 29.55	109.5	110
K 07	U01097	387	810729	1501	498	55 27.30	129 29.55	104.0	104
K 07	U01097	399	810730	1456	510	55 27.30	129 29.55	105.1	105
K 07	U01097	412	810731	1547	525	55 27.30	129 29.55	103.5	104
K 07	U01097	444	810801	2024	559	55 27.30	129 29.55	98.8	99
K 07	U01097	449	810802	1649	565	55 27.30	129 29.55	105.5	105
K 07	U01097	457	810802	2007	573	55 27.30	129 29.55	103.3	102
K 07	U01097	470	810803	2112	587	55 27.30	129 29.55	100.6	100
K 07	U01097	471	810804	1519	588	55 27.30	129 29.55	96.6	96
K 07	U01097	481	810805	1455	598	55 27.30	129 29.55	96.9	97
K 07	U01097	506	810806	2155	623	55 27.30	129 29.55	91.7	91
K 07	U01097	509	810807	1532	626	55 27.30	129 29.55	90.2	90
K 07	U01097	543	810808	2121	664	55 27.30	129 29.55	86.0	84
K 07	U01097	546	810809	1521	667	55 27.30	129 29.55	91.8	90
K 07	U01097	557	810810	1459	683	55 27.30	129 29.55	90.0	88
K 07	U01098	6	810811	1519	696	55 27.30	129 29.55	96.3	95
K 07	U01098	35	810813	1633	727	55 27.30	129 29.55	92.8	92
K 07	U01098	47	810814	1544	741	55 27.30	129 29.55	92.2	91
K 07	U01098	61	810815	1501	755	55 27.30	129 29.55	93.9	89
K 07	U01098	84	810817	1639	783	55 27.30	129 29.55	99.9	95
K 07	U01098	102	810818	2334	803	55 27.30	129 29.55	90.9	89
K 07	U01098	112	810820	1524	813	55 27.30	129 29.55	91.9	91
K 07	U01098	125	810821	1647	827	55 27.30	129 29.55	95.6	94
K 07	U01098	144	810823	2052	848	55 27.30	129 29.55	100.6	100
K 07	U01098	147	810824	1541	851	55 27.30	129 29.55	94.6	93
K 07	U01098	164	810825	1920	871	55 27.30	129 29.55	91.1	90
K 07	U01098	172	810826	2325	879	55 27.30	129 29.55	90.0	89
K 07	U01098	185	810828	1520	895	55 27.30	129 29.55	95.2	94
K 07	U01098	194	810829	1501	904	55 27.30	129 29.55	97.1	97
K 07	U01098	201	810829	1705	911	55 27.30	129 29.55	94.9	94
K 07	U01098	208	810829	1953	919	55 27.30	129 29.55	90.9	90
K 07	U01098	211	810830	1457	922	55 27.30	129 29.55	90.0	89
K 07	U01098	235	810901	1459	947	55 27.30	129 29.55	95.5	95
K 07	U01098	259	810902	2041	972	55 27.30	129 29.55	90.7	90
K 07	U01098	260	810903	1459	974	55 27.30	129 29.55	94.9	94
K 07	U01098	277	810903	1952	991	55 27.30	129 29.55	90.6	90
K 07	U01098	278	810904	1451	992	55 27.30	129 29.55	90.9	90
K 07	U01098	316	810906	1454	1034	55 27.30	129 29.55	91.9	90
K 07	U01098	345	810908	1951	1083	55 27.30	129 29.55	108.0	107
K 07	U01098	370	810910	1448	1098	55 27.30	129 29.55	108.6	108
K 39	U01097	187	810709	1617	210	55 27.30	129 35.18	158.5	157
K 39	U01097	364	810727	1528	474	55 27.30	129 35.18	158.1	158
K 39	U01097	489	810806	1532	606	55 27.30	129 35.18	155.2	154
K 39	U01097	525	810808	1542	644	55 27.30	129 35.18	152.1	151
K 39	U01098	159	810825	1723	865	55 27.30	129 35.18	148.0	147
K 39	U01098	381	810911	1518	1109	55 27.30	129 35.18	160.6	160
K 39	U01098	397	810911	1518	1109	55 27.30	129 35.18	160.6	160
K 44	U01097	1	810623	2105	1	55 27.30	129 36.06	175.9	174
K170	U01097	298	810721	2055	401	55 24.70	129 40.64	79.1	79
K170	U01097	384	810728	1714	495	55 24.70	129 40.64	79.0	79

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
K170	U01097	459	810803	1601	575	55 24.70	129 40.64	77.0	76
K170	U01097	485	810805	1710	602	55 24.70	129 40.64	82.7	82
K170	U01097	556	810809	1955	682	55 24.70	129 40.64	79.9	78
K170	U01098	1	810810	1753	691	55 24.70	129 40.64	76.0	75
K170	U01098	25	810812	1636	716	55 24.70	129 40.64	77.3	77
K170	U01098	76	810816	1738	773	55 24.70	129 40.64	73.7	70
K170	U01098	136	810823	1546	840	55 24.70	129 40.64	79.6	79
K170	U01098	227	810831	1634	939	55 24.70	129 40.64	80.2	79
K170	U01098	249	810902	1535	962	55 24.70	129 40.64	86.6	87
K170	U01098	347	810907	0023	1065	55 24.70	129 40.64	85.1	85
K170	U01098	369	810909	1725	1089	55 24.70	129 40.64	85.9	86
KK	U01098	431	810812	2224	723	55 .70	130 1.20	162.6	162
KL	U01098	229	810831	1808	941	55 24.00	129 46.20	109.9	109
L 09	U01098	50	810814	1730	744	55 27.20	129 29.90	103.6	103
L 10	U01097	18	810625	0107	30	55 27.20	129 30.08	101.8	100
L 10	U01097	46	810627	2230	63	55 27.20	129 30.08	63.6	60
L 10	U01097	62	810628	2346	79	55 27.20	129 30.08	66.1	63
L 10	U01097	68	810629	1946	85	55 27.20	129 30.08	67.0	65
L 10	U01097	82	810630	2038	98	55 27.20	129 30.08	66.2	64
L 10	U01097	127	810704	1841	144	55 27.20	129 30.08	82.1	80
L 10	U01097	157	810706	2100	173	55 27.20	129 30.08	177.0	176
L 10	U01097	170	810707	1855	186	55 27.20	129 30.08	173.8	172
L 10	U01098	441	810710	2038	237	55 27.20	129 30.08	173.9	173
L 10	U01097	200	810711	2057	252	55 27.20	129 30.08	153.6	153
L 10	U01097	212	810712	2013	266	55 27.20	129 30.08	178.1	177
L 10	U01097	219	810713	1733	278	55 27.20	129 30.08	173.9	174
L 10	U01097	234	810715	1755	306	55 27.20	129 30.08	176.0	176
L 10	U01097	239	810716	1845	322	55 27.20	129 30.08	166.6	167
L 10	U01097	243	810717	2040	338	55 27.20	129 30.08	173.5	174
L 10	U01097	278	810720	1526	379	55 27.20	129 30.08	138.1	138
L 10	U01097	302	810722	1803	405	55 27.20	129 30.08	171.0	171
L 10	U01097	323	810724	1518	428	55 27.20	129 30.08	174.5	175
L 10	U01097	398	810729	1750	509	55 27.20	129 30.08	160.9	161
L 10	U01097	409	810730	1753	522	55 27.20	129 30.08	173.7	174
L 10	U01097	420	810731	1935	533	55 27.20	129 30.08	169.9	170
L 10	U01097	467	810803	2027	584	55 27.20	129 30.08	132.3	131
L 10	U01097	474	810804	1655	591	55 27.20	129 30.08	170.1	169
L 10	U01097	503	810806	2117	620	55 27.20	129 30.08	169.7	169
L 10	U01097	510	810807	1550	627	55 27.20	129 30.08	159.1	159
L 10	U01097	542	810808	2109	663	55 27.20	129 30.08	90.1	89
L 10	U01097	549	810809	1557	670	55 27.20	129 30.08	95.0	94
L 10	U01098	106	810819	2028	807	55 27.20	129 30.08	168.9	167
L 10	U01098	122	810821	1514	824	55 27.20	129 30.08	159.9	159
L 10	U01098	141	810823	1939	845	55 27.20	129 30.08	162.5	162
L 10	U01098	151	810824	1710	855	55 27.20	129 30.08	154.6	154
L 10	U01098	162	810825	1833	868	55 27.20	129 30.08	164.0	163
L 10	U01098	197	810829	1552	907	55 27.20	129 30.08	172.0	171
L 10	U01098	263	810903	1534	977	55 27.20	129 30.08	170.6	170
L 10	U01098	272	810903	1753	986	55 27.20	129 30.08	171.6	171
L 10	U01098	279	810904	1514	993	55 27.20	129 30.08	128.8	128

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
L 10	U01098	353	810908	1543	1071	55 27.20	129 30.08	171.0	169
L 10	U01098	373	810910	1527	1101	55 27.20	129 30.08	175.0	174
L 10	U01098	410	810911	2206	1126	55 27.20	129 30.08	173.9	167
L 10.5	U01097	419	810731	1918	532	55 27.20	129 30.17	85.9	86
L 31	U01097	4	810624	1700	15	55 27.20	129 33.78	142.9	141
L 31	U01097	25	810626	1543	41	55 27.20	129 33.78	171.8	167
L 31	U01097	147	810706	1727	164	55 27.20	129 33.78	199.0	199
L 31	U01097	175	810708	1654	191	55 27.20	129 33.78	132.7	132
L 31	U01098	456	810716	1611	314	55 27.20	129 33.78	155.5	156
L 31	U01097	367	810727	1639	477	55 27.20	129 33.78	148.1	148
L 31	U01097	521	810807	2039	640	55 27.20	129 33.78	141.0	140
L 31	U01097	531	810808	1725	650	55 27.20	129 33.78	142.1	140
L 31	U01098	58	810814	2117	752	55 27.20	129 33.78	148.2	144
L 31	U01098	176	810827	1604	883	55 27.20	129 33.78	145.2	144
L 31	U01098	291	810904	1939	1002	55 27.20	129 33.78	149.0	148
L 31	U01098	400	810911	1623	1112	55 27.20	129 33.78	151.1	150
LL	U01098	230	810831	1832	942	55 25.25	129 46.00	111.6	111
M 09	U01097	17	810625	0037	29	55 27.10	129 29.90	151.6	144
M 09	U01097	35	810626	2244	51	55 27.10	129 29.90	130.9	128
M 09	U01097	47	810627	2243	64	55 27.10	129 29.90	154.8	151
M 09	U01097	61	810628	2333	78	55 27.10	129 29.90	145.5	143
M 09	U01097	69	810629	2004	86	55 27.10	129 29.90	91.0	90
M 09	U01097	70	810629	2019	87	55 27.10	129 29.90	145.8	144
M 09	U01097	81	810630	2019	97	55 27.10	129 29.90	141.0	139
M 09	U01097	97	810701	2004	112	55 27.10	129 29.90	137.6	136
M 09	U01097	107	810702	1905	123	55 27.10	129 29.90	140.0	140
M 09	U01097	116	810703	1840	133	55 27.10	129 29.90	143.0	141
M 09	U01097	128	810704	1855	145	55 27.10	129 29.90	139.7	138
M 09	U01097	139	810705	2255	156	55 27.10	129 29.90	145.0	143
M 09	U01097	156	810706	2045	172	55 27.10	129 29.90	145.9	145
M 09	U01097	169	810707	1836	185	55 27.10	129 29.90	149.5	147
M 09	U01098	442	810710	2055	238	55 27.10	129 29.90	144.5	144
M 09	U01097	213	810712	2030	267	55 27.10	129 29.90	145.6	145
M 09	U01097	220	810713	1745	279	55 27.10	129 29.90	145.9	145
M 09	U01097	235	810715	1808	307	55 27.10	129 29.90	136.6	137
M 09	U01098	462	810716	1859	323	55 27.10	129 29.90	128.7	129
M 09	U01097	244	810717	2053	339	55 27.10	129 29.90	138.0	138
M 09	U01098	468	810719	1511	362	55 27.10	129 29.90	140.8	141
M 09	U01097	265	810719	1619	365	55 27.10	129 29.90	136.6	137
M 09	U01097	267	810719	1730	368	55 27.10	129 29.90	141.7	142
M 09	U01097	270	810719	1948	371	55 27.10	129 29.90	140.6	141
M 09	U01097	273	810719	2104	374	55 27.10	129 29.90	139.1	139
M 09	U01097	279	810720	1540	380	55 27.10	129 29.90	144.8	133
M 09	U01097	291	810720	2050	394	55 27.10	129 29.90	139.0	139
M 09	U01097	293	810721	1721	396	55 27.10	129 29.90	143.2	143
M 09	U01097	300	810722	1736	403	55 27.10	129 29.90	142.0	142
M 09	U01097	311	810723	1517	416	55 27.10	129 29.90	142.6	143
M 09	U01097	324	810724	1538	429	55 27.10	129 29.90	143.9	144
M 09	U01098	428	810725	2005	454	55 27.10	129 29.90	140.8	141
M 09	U01097	352	810726	1651	463	55 27.10	129 29.90	142.0	142

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M 09	U01097	355	810726	1826	466	55 27.10	129 29.90	8.5	9
M 09	U01097	356	810726	1826	466	55 27.10	129 29.90	140.2	140
M 09	U01097	359	810726	1956	469	55 27.10	129 29.90	139.8	140
M 09	U01097	362	810726	2055	472	55 27.10	129 29.90	138.6	139
M 09	U01098	430	810727	1942	486	55 27.10	129 29.90	133.9	134
M 09	U01097	379	810728	1504	490	55 27.10	129 29.90	145.2	145
M 09	U01097	388	810729	1514	499	55 27.10	129 29.90	138.8	139
M 09	U01097	397	810729	1739	508	55 27.10	129 29.90	139.8	140
M 09	U01097	410	810730	1804	523	55 27.10	129 29.90	138.9	139
M 09	U01097	421	810731	2013	535	55 27.10	129 29.90	137.3	137
M 09	U01097	443	810801	2012	558	55 27.10	129 29.90	126.7	127
M 09	U01097	448	810802	1626	564	55 27.10	129 29.90	137.1	136
M 09	U01097	452	810802	1803	568	55 27.10	129 29.90	134.8	134
M 09	U01097	456	810802	1955	572	55 27.10	129 29.90	134.7	134
M 09	U01097	468	810803	2043	585	55 27.10	129 29.90	139.1	138
M 09	U01097	472	810804	1543	589	55 27.10	129 29.90	135.5	135
M 09	U01097	482	810805	1515	599	55 27.10	129 29.90	134.8	134
M 09	U01097	504	810806	2131	621	55 27.10	129 29.90	147.7	147
M 09	U01097	511	810807	1705	628	55 27.10	129 29.90	131.8	131
M 09	U01097	541	810808	2057	662	55 27.10	129 29.90	152.2	150
M 09	U01097	548	810809	1547	669	55 27.10	129 29.90	159.0	157
M 09	U01098	7	810811	1844	698	55 27.10	129 29.90	130.0	130
M 09	U01098	36	810813	1650	728	55 27.10	129 29.90	131.6	131
M 09	U01098	86	810817	1727	785	55 27.10	129 29.90	145.5	141
M 09	U01098	105	810819	2012	806	55 27.10	129 29.90	133.7	133
M 09	U01098	114	810820	1604	815	55 27.10	129 29.90	138.8	137
M 09	U01098	123	810821	1545	825	55 27.10	129 29.90	135.0	134
M 09	U01098	132	810822	1534	834	55 27.10	129 29.90	134.8	134
M 09	U01098	134	810822	2149	837	55 27.10	129 29.90	134.8	134
M 09	U01098	142	810823	2017	846	55 27.10	129 29.90	134.1	134
M 09	U01098	150	810824	1650	854	55 27.10	129 29.90	138.5	138
M 09	U01098	163	810825	1850	869	55 27.10	129 29.90	139.0	138
M 09	U01098	183	810827	1816	890	55 27.10	129 29.90	139.2	138
M 09	U01098	184	810828	1455	894	55 27.10	129 29.90	139.1	138
M 09	U01098	196	810829	1537	906	55 27.10	129 29.90	136.6	136
M 09	U01098	203	810829	1740	913	55 27.10	129 29.90	139.0	138
M 09	U01098	204	810829	1756	914	55 27.10	129 29.90	138.0	137
M 09	U01098	209	810829	2013	920	55 27.10	129 29.90	138.0	137
M 09	U01098	236	810901	1514	948	55 27.10	129 29.90	139.6	139
M 09	U01098	243	810901	1747	955	55 27.10	129 29.90	139.6	139
M 09	U01098	262	810903	1521	976	55 27.10	129 29.90	141.3	140
M 09	U01098	271	810903	1738	985	55 27.10	129 29.90	142.7	142
M 09	U01098	276	810903	1937	990	55 27.10	129 29.90	141.0	140
M 09	U01098	280	810904	1544	994	55 27.10	129 29.90	138.5	137
M 09	U01098	317	810906	1522	1036	55 27.10	129 29.90	131.7	131
M 09	U01098	363	810908	1853	1081	55 27.10	129 29.90	156.5	156
M 09	U01098	372	810910	1510	1100	55 27.10	129 29.90	147.0	146
M 12	U01098	266	810903	1621	980	55 27.10	129 30.43	170.7	169
M 12	U01098	321	810906	1616	1040	55 27.10	129 30.43	161.0	160
M 12	U01098	354	810908	1550	1072	55 27.10	129 30.43	170.6	170

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
M 40	U01097	36	810627	1745	52	55 27.10	129 35.36	210.5	208
M 40	U01097	206	810712	1700	259	55 27.10	129 35.36	207.7	207
M 40	U01097	365	810727	1602	475	55 27.10	129 35.36	265.8	266
M 40	U01097	490	810806	1551	607	55 27.10	129 35.36	267.5	267
M 40	U01097	526	810808	1600	645	55 27.10	129 35.36	274.0	272
M 40	U01097	563	810810	1633	689	55 27.10	129 35.36	273.1	271
M 40	U01098	23	810812	1535	714	55 27.10	129 35.36	268.2	268
M 40	U01098	43	810813	2113	737	55 27.10	129 35.36	268.0	267
M 40	U01098	69	810815	2133	766	55 27.10	129 35.36	271.9	267
M 40	U01098	120	810820	1850	821	55 27.10	129 35.36	347.7	347
M 40	U01098	138	810823	1714	842	55 27.10	129 35.36	296.9	296
M 40	U01098	158	810825	1702	864	55 27.10	129 35.36	308.6	308
M 40	U01098	193	810828	2018	903	55 27.10	129 35.36	335.8	335
M 40	U01098	221	810830	1826	932	55 27.10	129 35.36	337.0	336
M 40	U01098	253	810902	1803	966	55 27.10	129 35.36	298.0	297
M 40	U01098	367	810909	1558	1086	55 27.10	129 35.36	351.1	351
M 40	U01098	398	810911	1537	1110	55 27.10	129 35.36	356.5	355
M 40	U01098	382	810911	1537	1110	55 27.10	129 35.36	356.5	355
M 42	U01098	425	810709	1557	209	55 27.10	129 35.71	178.8	177
M 53	U01098	71	810815	2232	768	55 27.10	129 37.65	271.8	267
M 53	U01098	121	810820	2010	822	55 27.10	129 37.65	346.7	346
M 53	U01098	252	810902	1710	965	55 27.10	129 37.65	299.1	298
M 53	U01098	368	810909	1629	1087	55 27.10	129 37.65	358.1	358
MM	U01098	231	810831	1856	943	55 25.00	129 48.00	79.7	79
N 02	U01097	34	810626	2228	50	55 27.00	129 29.73	69.0	66
N 02	U01097	48	810627	2256	65	55 27.00	129 29.73	99.3	95
N 02	U01097	60	810628	2320	77	55 27.00	129 29.73	96.6	94
N 02	U01097	71	810629	2030	88	55 27.00	129 29.73	100.9	99
N 08	U01097	80	810630	2004	96	55 27.00	129 29.73	86.0	84
N 08	U01097	96	810701	1945	111	55 27.00	129 29.73	81.6	80
N 02	U01097	106	810702	1851	122	55 27.00	129 29.73	83.5	82
N 02	U01097	117	810703	1853	134	55 27.00	129 29.73	92.1	90
N 02	U01097	129	810704	1950	146	55 27.00	129 29.73	101.5	100
N 02	U01097	140	810705	2307	157	55 27.00	129 29.73	81.0	79
N 02	U01097	155	810706	2033	171	55 27.00	129 29.73	79.1	78
N 02	U01097	168	810707	1821	184	55 27.00	129 29.73	90.7	90
N 02	U01098	422	810708	2244	204	55 27.00	129 29.73	129.8	129
N 02	U01098	435	810710	2109	239	55 27.00	129 29.73	85.5	85
N 02	U01097	201	810711	2131	254	55 27.00	129 29.73	98.1	96
N 02	U01097	214	810712	2042	268	55 27.00	129 29.73	77.7	77
N 02	U01098	446	810713	1756	280	55 27.00	129 29.73	77.8	78
N 02	U01097	225	810714	1912	294	55 27.00	129 29.73	81.8	81
N 02	U01097	236	810715	1818	308	55 27.00	129 29.73	74.7	74
N 02	U01097	240	810716	1909	324	55 27.00	129 29.73	77.0	77
N 02	U01097	245	810717	2103	340	55 27.00	129 29.73	73.2	73
N 02	U01097	261	810718	2031	358	55 27.00	129 29.73	73.6	74
N 02	U01097	274	810719	2118	375	55 27.00	129 29.73	74.0	74
N 02	U01097	280	810720	1550	381	55 27.00	129 29.73	73.9	74
N 02	U01097	301	810722	1749	404	55 27.00	129 29.73	98.6	94
N 02	U01097	325	810724	1635	430	55 27.00	129 29.73	74.7	75

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
N 02	U01097	332	810725	1512	438 55	27.00	129 29.73	81.7	82
N 02	U01097	348	810726	1511	458 55	27.00	129 29.73	90.0	90
N 02	U01097	376	810727	1955	487 55	27.00	129 29.73	89.7	90
N 02	U01097	378	810728	1455	489 55	27.00	129 29.73	96.0	96
N 02	U01097	396	810729	1729	507 55	27.00	129 29.73	89.2	89
N 02	U01097	411	810730	1814	524 55	27.00	129 29.73	79.0	79
N 02	U01097	423	810731	2048	537 55	27.00	129 29.73	103.9	104
N 02	U01097	442	810801	1959	557 55	27.00	129 29.73	91.0	91
N 02	U01097	458	810802	2022	574 55	27.00	129 29.73	100.0	99
N 02	U01097	469	810803	2100	586 55	27.00	129 29.73	99.8	99
N 02	U01097	473	810804	1557	590 55	27.00	129 29.73	100.3	99
N 02	U01097	483	810805	1529	600 55	27.00	129 29.73	100.9	100
N 02	U01097	505	810806	2143	622 55	27.00	129 29.73	100.9	100
N 02	U01097	540	810808	2047	661 55	27.00	129 29.73	130.8	79
N 02	U01097	547	810809	1533	668 55	27.00	129 29.73	131.9	130
N 02	U01097	558	810810	1508	684 55	27.00	129 29.73	89.9	88
N 02	U01098	8	810811	1915	699 55	27.00	129 29.73	90.7	90
N 02	U01098	19	810812	1427	710 55	27.00	129 29.73	90.6	90
N 02	U01098	37	810813	1707	729 55	27.00	129 29.73	91.3	90
N 02	U01098	49	810814	1719	743 55	27.00	129 29.73	92.0	91
N 02	U01098	62	810815	1526	756 55	27.00	129 29.73	81.5	77
N 02	U01098	82	810816	0244	781 55	27.00	129 29.73	94.1	89
N 02	U01098	85	810817	1704	784 55	27.00	129 29.73	99.1	94
N 02	U01098	101	810818	2324	802 55	27.00	129 29.73	91.2	89
N 02	U01098	104	810819	1905	805 55	27.00	129 29.73	90.7	89
N 02	U01098	113	810820	1546	814 55	27.00	129 29.73	91.6	91
N 02	U01098	124	810821	1629	826 55	27.00	129 29.73	94.8	94
N 02	U01098	135	810822	2203	838 55	27.00	129 29.73	89.0	87
N 02	U01098	143	810823	2039	847 55	27.00	129 29.73	95.7	95
N 02	U01098	148	810824	1603	852 55	27.00	129 29.73	89.7	89
N 02	U01098	149	810824	1619	853 55	27.00	129 29.73	81.0	25
N 02	U01098	171	810826	2314	878 55	27.00	129 29.73	89.9	89
N 02	U01098	182	810827	1803	889 55	27.00	129 29.73	94.8	94
N 02	U01098	186	810828	1537	896 55	27.00	129 29.73	90.9	89
N 02	U01098	195	810829	1525	905 55	27.00	129 29.73	89.9	88
N 02	U01098	202	810829	1720	912 55	27.00	129 29.73	85.1	83
N 02	U01098	212	810830	1510	923 55	27.00	129 29.73	90.5	90
N 02	U01098	233	810831	2357	945 55	27.00	129 29.73	90.7	90
N 02	U01098	258	810902	2029	971 55	27.00	129 29.73	93.1	92
N 02	U01098	261	810903	1509	975 55	27.00	129 29.73	88.9	88
N 02	U01098	270	810903	1727	984 55	27.00	129 29.73	95.0	94
N 02	U01098	273	810903	1821	987 55	27.00	129 29.73	92.0	91
N 02	U01098	274	810903	1839	988 55	27.00	129 29.73	94.0	93
N 02	U01098	275	810903	1854	989 55	27.00	129 29.73	95.0	94
N 02	U01098	281	810904	1557	995 55	27.00	129 29.73	96.5	96
N 02	U01098	315	810905	2306	1033 55	27.00	129 29.73	90.6	90
N 02	U01098	318	810906	1534	1037 55	27.00	129 29.73	102.9	101
N 02	U01098	364	810908	1938	1082 55	27.00	129 29.73	110.9	110
N 02	U01098	371	810910	1500	1099 55	27.00	129 29.73	104.9	103
N 02	U01098	409	810911	2131	1124 55	27.00	129 29.73	103.6	103

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
N 08.5	U01097	422	810731	2026	536	55 27.00	129 29.82	109.2	109
N 09	U01098	411	810912	1330	1129	55 27.00	129 29.90	99.8	99
N 11	U01098	38	810813	1724	730	55 27.00	129 30.26	160.2	159
N 11	U01098	265	810903	1604	979	55 27.00	129 30.26	170.6	170
N 11	U01098	320	810906	1558	1039	55 27.00	129 30.26	183.8	182
N 14	U01097	43	810627	2133	60	55 27.00	129 30.78	102.8	100
N 14	U01097	57	810628	2225	74	55 27.00	129 30.78	101.2	98
N 14	U01097	65	810629	1825	82	55 27.00	129 30.78	106.5	105
N 14	U01097	79	810630	1949	96	55 27.00	129 30.78	85.9	84
N 14	U01097	93	810701	1837	108	55 27.00	129 30.78	101.0	99
N 14	U01097	105	810702	1835	121	55 27.00	129 30.78	101.8	100
N 14	U01097	115	810703	1824	132	55 27.00	129 30.78	102.7	101
N 14	U01097	126	810704	1815	143	55 27.00	129 30.78	100.8	99
N 14	U01097	136	810705	2205	153	55 27.00	129 30.78	100.1	99
N 14	U01097	152	810706	1952	169	55 27.00	129 30.78	138.6	138
N 14	U01097	165	810707	1731	181	55 27.00	129 30.78	108.9	108
N 14	U01097	184	810708	2149	201	55 27.00	129 30.78	177.0	176
N 14	U01098	443	810710	2020	236	55 27.00	129 30.78	115.1	114
N 14	U01097	197	810711	2007	249	55 27.00	129 30.78	108.9	107
N 14	U01098	426	810713	1721	277	55 27.00	129 30.78	108.0	107
N 14	U01098	450	810714	1820	291	55 27.00	129 30.78	108.0	108
N 14	U01097	227	810715	1613	299	55 27.00	129 30.78	128.0	127
N 14	U01097	233	810715	1744	305	55 27.00	129 30.78	107.7	108
N 14	U01097	238	810716	1822	321	55 27.00	129 30.78	106.0	106
N 14	U01097	242	810717	2025	337	55 27.00	129 30.78	102.5	103
N 14	U01097	246	810718	1457	342	55 27.00	129 30.78	107.6	108
N 14	U01097	249	810718	1553	345	55 27.00	129 30.78	104.0	103
N 14	U01097	252	810718	1648	348	55 27.00	129 30.78	104.8	105
N 14	U01097	255	810718	1745	351	55 27.00	129 30.78	104.0	104
N 14	U01097	258	810718	1822	354	55 27.00	129 30.78	104.2	104
N 14	U01097	283	810720	1628	384	55 27.00	129 30.78	104.2	104
N 14	U01097	312	810723	1540	417	55 27.00	129 30.78	103.0	103
N 14	U01097	328	810724	1740	433	55 27.00	129 30.78	104.1	104
N 14	U01097	334	810725	1555	441	55 27.00	129 30.78	103.7	104
N 14	U01097	337	810725	1632	444	55 27.00	129 30.78	102.9	103
N 14	U01097	340	810725	1709	447	55 27.00	129 30.78	103.8	104
N 14	U01097	341	810725	1809	448	55 27.00	129 30.78	139.6	140
N 14	U01097	344	810725	1932	451	55 27.00	129 30.78	103.1	103
N 14	U01097	393	810729	1651	504	55 27.00	129 30.78	104.3	104
N 14	U01097	408	810730	1741	521	55 27.00	129 30.78	101.2	101
N 14	U01097	416	810731	1800	529	55 27.00	129 30.78	102.2	90
N 14	U01097	424	810801	1505	539	55 27.00	129 30.78	100.9	101
N 14	U01097	427	810801	1543	542	55 27.00	129 30.78	100.7	101
N 14	U01097	430	810801	1624	545	55 27.00	129 30.78	101.9	102
N 14	U01097	433	810801	1708	548	55 27.00	129 30.78	100.5	101
N 14	U01097	436	810801	1752	551	55 27.00	129 30.78	103.9	104
N 14	U01097	439	810801	1920	554	55 27.00	129 30.78	102.1	102
N 14	U01097	475	810804	1712	592	55 27.00	129 30.78	103.7	103
N 14	U01097	500	810806	2033	617	55 27.00	129 30.78	100.0	99
N 14	U01097	513	810807	1806	632	55 27.00	129 30.78	104.5	104

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
N 14	U01097	538	810808	2012	658	55 27.00	129 30.78	175.0	174
N 14	U01097	550	810809	1609	671	55 27.00	129 30.78	131.9	130
N 14	U01097	561	810810	1539	687	55 27.00	129 30.78	96.1	94
N 14	U01098	11	810811	2023	702	55 27.00	129 30.78	98.2	96
N 14	U01098	22	810812	1500	713	55 27.00	129 30.78	96.0	94
N 14	U01098	51	810814	1743	745	55 27.00	129 30.78	101.6	11
N 14	U01098	65	810815	1735	759	55 27.00	129 30.78	104.2	100
N 14	U01098	89	810817	1956	788	55 27.00	129 30.78	100.5	100
N 14	U01098	99	810818	2221	799	55 27.00	129 30.78	98.8	98
N 14	U01098	109	810819	2137	810	55 27.00	129 30.78	94.7	94
N 14	U01098	117	810820	1712	818	55 27.00	129 30.78	100.2	99
N 14	U01098	128	810821	1803	830	55 27.00	129 30.78	100.1	98
N 14	U01098	179	810827	1721	886	55 27.00	129 30.78	99.7	99
N 14	U01098	187	810828	1655	897	55 27.00	129 30.78	100.8	100
N 14	U01098	200	810829	1648	910	55 27.00	129 30.78	99.1	98
N 14	U01098	215	810830	1554	926	55 27.00	129 30.78	93.2	92
N 14	U01098	269	810903	1714	983	55 27.00	129 30.78	102.9	101
N 14	U01098	282	810904	1715	996	55 27.00	129 30.78	101.8	101
N 14	U01098	322	810906	1628	1041	55 27.00	129 30.78	123.1	122
N 14	U01098	355	810908	1618	1073	55 27.00	129 30.78	152.1	151
N 14	U01098	374	810910	1721	1102	55 27.00	129 30.78	98.2	96
N 14	U01098	406	810911	2037	1121	55 27.00	129 30.78	100.0	99
N 17	U01098	330	810906	1835	1049	55 27.00	129 31.31	55.0	54
N 17	U01098	331	810906	1835	1049	55 27.00	129 31.31	55.0	54
N 22	U01098	359	810908	1721	1077	55 27.00	129 32.19	107.9	107
N 24	U01097	10	810624	2007	21	55 27.00	129 32.54	127.9	126
N 24	U01097	22	810625	1847	35	55 27.00	129 32.54	97.0	94
N 24	U01097	66	810701	1638	102	55 27.00	129 32.54	124.9	123
N 24	U01097	146	810706	1707	163	55 27.00	129 32.54	139.0	137
N 24	U01097	176	810708	1718	192	55 27.00	129 32.54	208.0	206
N 24	U01098	439	810710	1719	229	55 27.00	129 32.54	133.5	133
N 24	U01097	216	810713	1542	271	55 27.00	129 32.54	131.7	132
N 24	U01097	371	810727	1751	481	55 27.00	129 32.54	143.9	144
N 24	U01097	402	810730	1618	515	55 27.00	129 32.54	119.2	119
N 24	U01097	492	810806	1710	609	55 27.00	129 32.54	124.8	124
N 24	U01097	520	810807	2023	639	55 27.00	129 32.54	117.0	116
N 24	U01097	532	810808	1743	651	55 27.00	129 32.54	115.9	114
N 24	U01098	18	810811	2211	709	55 27.00	129 32.54	106.6	105
N 24	U01098	67	810815	1845	761	55 27.00	129 32.54	113.7	110
N 24	U01098	403	810911	1742	1116	55 27.00	129 32.54	125.0	124
N 32	U01097	5	810624	1728	16	55 27.00	129 33.95	201.0	199
N 32	U01097	26	810626	1610	42	55 27.00	129 33.95	201.8	199
N 32	U01097	38	810627	1833	54	55 27.00	129 33.95	211.5	209
N 32	U01097	85	810701	1617	101	55 27.00	129 33.95	209.1	207
N 32	U01097	148	810706	1743	165	55 27.00	129 33.95	198.9	198
N 32	U01097	174	810708	1634	190	55 27.00	129 33.95	208.1	206
N 32	U01097	188	810709	1700	212	55 27.00	129 33.95	158.6	157
N 32	U01097	191	810711	1716	243	55 27.00	129 33.95	209.1	207
N 32	U01097	207	810712	1721	260	55 27.00	129 33.95	208.1	207
N 32	U01098	455	810716	1556	313	55 27.00	129 33.95	189.6	190

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
N 32	U01097	290	810720	1851	392 55	27.00	129 33.95	295.7	296
N 32	U01097	310	810722	2230	414 55	27.00	129 33.95	107.9	108
N 32	U01097	368	810727	1655	478 55	27.00	129 33.95	267.6	268
N 32	U01097	392	810729	1624	503 55	27.00	129 33.95	296.8	297
N 32	U01097	522	810807	2053	641 55	27.00	129 33.95	269.0	268
N 32	U01097	530	810808	1708	649 55	27.00	129 33.95	269.6	268
N 32	U01098	57	810814	2040	751 55	27.00	129 33.95	285.5	253
N 32	U01098	93	810817	2140	792 55	27.00	129 33.95	203.8	203
N 32	U01098	111	810819	2309	812 55	27.00	129 33.95	198.0	197
N 32	U01098	119	810820	1813	820 55	27.00	129 33.95	208.9	208
N 32	U01098	175	810827	1549	882 55	27.00	129 33.95	207.5	207
N 32	U01098	219	810830	1726	930 55	27.00	129 33.95	208.8	208
N 32	U01098	292	810904	1955	1003 55	27.00	129 33.95	209.7	209
N 32	U01098	380	810910	1854	1108 55	27.00	129 33.95	215.0	214
N 32	U01098	396	810910	1854	1108 55	27.00	129 33.95	215.0	214
N 32	U01098	401	810911	1640	1113 55	27.00	129 33.95	216.9	215
O 10	U01098	264	810903	1551	978 55	26.90	129 30.08	80.7	80
O 10	U01098	319	810906	1546	1038 55	26.90	129 30.08	92.0	91
O 13	U01097	15	810624	2337	26 55	26.90	129 30.61	147.9	146
O 13	U01097	33	810626	2209	49 55	26.90	129 30.61	158.5	156
O 13	U01097	44	810627	2155	61 55	26.90	129 30.61	210.8	207
O 13	U01097	58	810628	2240	75 55	26.90	129 30.61	209.8	207
O 13	U01097	66	810629	1839	83 55	26.90	129 30.61	184.2	182
O 13	U01097	78	810630	1908	95 55	26.90	129 30.61	183.6	182
O 13	U01097	94	810701	1845	109 55	26.90	129 30.61	174.0	172
O 13	U01097	104	810702	1812	120 55	26.90	129 30.61	174.9	173
O 13	U01097	114	810703	1809	131 55	26.90	129 30.61	177.9	176
O 13	U01097	125	810704	1801	142 55	26.90	129 30.61	207.7	208
O 13	U01097	137	810705	2220	154 55	26.90	129 30.61	188.9	188
O 13	U01097	153	810706	2007	170 55	26.90	129 30.61	192.9	191
O 13	U01097	166	810707	1747	182 55	26.90	129 30.61	184.6	184
O 13	U01097	185	810708	2208	202 55	26.90	129 30.61	148.8	148
O 13	U01097	198	810711	2021	250 55	26.90	129 30.61	144.9	143
O 13	U01097	210	810712	1854	264 55	26.90	129 30.61	192.7	192
O 13	U01097	218	810713	1706	276 55	26.90	129 30.61	192.8	192
O 13	U01097	224	810714	1756	290 55	26.90	129 30.61	192.9	193
O 13	U01097	232	810715	1733	304 55	26.90	129 30.61	191.7	192
O 13	U01098	461	810716	1804	320 55	26.90	129 30.61	184.8	184
O 13	U01097	247	810718	1511	343 55	26.90	129 30.61	190.5	191
O 13	U01097	250	810718	1608	346 55	26.90	129 30.61	188.1	188
O 13	U01097	253	810718	1713	349 55	26.90	129 30.61	190.1	190
O 13	U01097	256	810718	1757	352 55	26.90	129 30.61	189.6	190
O 13	U01097	259	810718	1837	355 55	26.90	129 30.61	189.9	190
O 13	U01097	263	810718	2104	360 55	26.90	129 30.61	149.0	149
O 13	U01098	469	810719	1527	363 55	26.90	129 30.61	190.7	190
O 13	U01098	470	810719	1635	366 55	26.90	129 30.61	188.8	189
O 13	U01097	268	810719	1758	369 55	26.90	129 30.61	190.1	190
O 13	U01097	271	810719	2009	372 55	26.90	129 30.61	184.9	185
O 13	U01097	282	810720	1611	383 55	26.90	129 30.61	187.2	187
O 13	U01097	294	810721	1734	397 55	26.90	129 30.61	188.7	189

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
0 13	U01097	303	810722	2004	407	55 26.90	129 30.61	91.1	91
0 13	U01097	304	810722	2034	408	55 26.90	129 30.61	186.8	187
0 13	U01097	305	810722	2052	409	55 26.90	129 30.61	50.9	51
0 13	U01097	313	810723	1556	418	55 26.90	129 30.61	190.1	190
0 13	U01097	327	810724	1705	432	55 26.90	129 30.61	181.2	181
0 13	U01097	336	810725	1619	443	55 26.90	129 30.61	187.7	188
0 13	U01097	339	810725	1657	446	55 26.90	129 30.61	186.9	187
0 13	U01097	342	810725	1824	449	55 26.90	129 30.61	189.5	190
0 13	U01097	345	810725	1943	452	55 26.90	129 30.61	188.1	188
0 13	U01097	349	810726	1538	460	55 26.90	129 30.61	190.1	190
0 13	U01097	353	810726	1737	464	55 26.90	129 30.61	189.5	190
0 13	U01097	357	810726	1841	467	55 26.90	129 30.61	188.5	189
0 13	U01097	360	810726	2010	470	55 26.90	129 30.61	187.7	188
0 13	U01097	375	810727	1856	485	55 26.90	129 30.61	189.8	190
0 13	U01097	380	810728	1516	491	55 26.90	129 30.61	190.0	190
0 13	U01097	389	810729	1530	500	55 26.90	129 30.61	188.5	189
0 13	U01097	394	810729	1706	505	55 26.90	129 30.61	188.5	189
0 13	U01097	407	810730	1730	520	55 26.90	129 30.61	186.9	187
0 13	U01097	417	810731	1818	530	55 26.90	129 30.61	187.5	188
0 13	U01097	425	810801	1519	540	55 26.90	129 30.61	187.7	188
0 13	U01097	428	810801	1557	543	55 26.90	129 30.61	186.2	186
0 13	U01097	431	810801	1638	546	55 26.90	129 30.61	186.7	187
0 13	U01097	434	810801	1728	549	55 26.90	129 30.61	188.1	188
0 13	U01097	437	810801	1804	552	55 26.90	129 30.61	188.2	188
0 13	U01097	440	810801	1932	555	55 26.90	129 30.61	188.1	188
0 13	U01097	447	810802	1609	563	55 26.90	129 30.61	187.5	187
0 13	U01097	451	810802	1738	567	55 26.90	129 30.61	189.2	188
0 13	U01097	455	810802	1906	571	55 26.90	129 30.61	189.6	190
0 13	U01097	466	810803	2009	583	55 26.90	129 30.61	187.7	187
0 13	U01097	476	810804	1728	593	55 26.90	129 30.61	188.2	187
0 13	U01097	501	810806	2047	618	55 26.90	129 30.61	184.5	184
0 13	U01097	512	810807	1752	631	55 26.90	129 30.61	174.7	174
0 13	U01097	539	810808	2023	659	55 26.90	129 30.61	102.2	101
0 13	U01097	560	810810	1530	686	55 26.90	129 30.61	163.0	161
0 13	U01098	10	810811	2014	701	55 26.90	129 30.61	175.5	175
0 13	U01098	21	810812	1450	712	55 26.90	129 30.61	174.0	173
0 13	U01098	39	810813	1802	732	55 26.90	129 30.61	175.7	175
0 13	U01098	52	810814	1758	746	55 26.90	129 30.61	185.1	184
0 13	U01098	64	810815	1603	758	55 26.90	129 30.61	187.5	183
0 13	U01098	80	810816	0222	779	55 26.90	129 30.61	187.7	183
0 13	U01098	88	810817	1810	787	55 26.90	129 30.61	184.1	179
0 13	U01098	108	810819	2109	809	55 26.90	129 30.61	175.3	174
0 13	U01098	116	810820	1643	817	55 26.90	129 30.61	174.8	174
0 13	U01098	127	810821	1732	829	55 26.90	129 30.61	187.8	187
0 13	U01098	133	810822	2109	835	55 26.90	129 30.61	165.1	164
0 13	U01098	140	810823	1847	844	55 26.90	129 30.61	178.7	179
0 13	U01098	152	810824	1745	857	55 26.90	129 30.61	177.8	177
0 13	U01098	161	810825	1817	867	55 26.90	129 30.61	178.9	178
0 13	U01098	170	810826	2254	877	55 26.90	129 30.61	178.7	178
0 13	U01098	180	810827	1734	887	55 26.90	129 30.61	183.9	184

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
0 13	U01098	188	810828	1713	898	55 26.90	129 30.61	182.9	182
0 13	U01098	205	810829	1815	915	55 26.90	129 30.61	175.9	175
0 13	U01098	206	810829	1831	916	55 26.90	129 30.61	175.9	176
0 13	U01098	207	810829	1857	918	55 26.90	129 30.61	148.1	147
0 13	U01098	210	810829	2027	921	55 26.90	129 30.61	179.0	178
0 13	U01098	214	810830	1538	925	55 26.90	129 30.61	182.8	181
0 13	U01098	237	810901	1530	949	55 26.90	129 30.61	184.7	184
0 13	U01098	242	810901	1725	954	55 26.90	129 30.61	183.8	183
0 13	U01098	244	810901	1800	956	55 26.90	129 30.61	185.2	184
0 13	U01098	248	810901	2047	961	55 26.90	129 30.61	184.2	183
0 13	U01098	257	810902	2014	970	55 26.90	129 30.61	185.1	184
0 13	U01098	268	810903	1653	982	55 26.90	129 30.61	184.1	183
0 13	U01098	283	810904	1727	997	55 26.90	129 30.61	184.1	182
0 13	U01098	323	810906	1642	1042	55 26.90	129 30.61	207.0	205
0 13	U01098	375	810910	1734	1103	55 26.90	129 30.61	188.8	188
0 13	U01098	407	810911	2055	1122	55 26.90	129 30.61	175.0	174
0 16	U01098	329	810906	1825	1048	55 26.90	129 31.14	137.0	136
0 16	U01098	356	810908	1631	1074	55 26.90	129 31.14	165.0	164
0 18	U01098	357	810908	1647	1075	55 26.90	129 31.49	145.9	145
0 19	U01097	317	810723	1653	422	55 26.90	129 31.66	227.8	228
0 20	U01097	11	810624	2024	22	55 26.90	129 31.84	92.5	91
0 20	U01097	40	810627	2032	57	55 26.90	129 31.84	102.9	100
0 20	U01097	74	810630	1738	91	55 26.90	129 31.84	100.0	95
0 20	U01097	92	810701	1818	107	55 26.90	129 31.84	80.7	79
0 20	U01097	100	810702	1648	116	55 26.90	129 31.84	101.8	100
0 20	U01097	111	810703	1646	127	55 26.90	129 31.84	102.7	101
0 20	U01097	121	810704	1614	138	55 26.90	129 31.84	90.1	88
0 20	U01097	145	810706	1645	162	55 26.90	129 31.84	209.1	207
0 20	U01097	164	810707	1714	180	55 26.90	129 31.84	115.1	113
0 20	U01097	183	810708	2104	200	55 26.90	129 31.84	120.5	120
0 20	U01098	440	810710	1743	230	55 26.90	129 31.84	115.8	115
0 20	U01097	194	810711	1826	246	55 26.90	129 31.84	134.5	133
0 20	U01098	445	810713	1555	272	55 26.90	129 31.84	114.0	113
0 20	U01097	223	810714	1701	286	55 26.90	129 31.84	114.0	113
0 20	U01097	228	810715	1633	300	55 26.90	129 31.84	113.1	113
0 20	U01098	457	810716	1657	316	55 26.90	129 31.84	113.8	114
0 20	U01097	284	810720	1645	385	55 26.90	129 31.84	109.7	110
0 20	U01097	315	810723	1626	420	55 26.90	129 31.84	109.6	110
0 20	U01097	329	810724	1758	434	55 26.90	129 31.84	108.8	109
0 20	U01097	403	810730	1642	516	55 26.90	129 31.84	108.6	109
0 20	U01097	413	810731	1654	526	55 26.90	129 31.84	109.9	110
0 20	U01097	478	810804	1814	595	55 26.90	129 31.84	109.6	109
0 20	U01097	496	810806	1837	613	55 26.90	129 31.84	108.6	108
0 20	U01097	514	810807	1819	633	55 26.90	129 31.84	105.0	104
0 20	U01097	537	810808	1958	657	55 26.90	129 31.84	100.1	98
0 20	U01098	12	810811	2039	703	55 26.90	129 31.84	100.2	99
0 20	U01098	92	810817	2111	791	55 26.90	129 31.84	101.1	100
0 20	U01098	129	810821	1819	831	55 26.90	129 31.84	105.2	103
0 20	U01098	156	810824	1905	861	55 26.90	129 31.84	104.5	104
0 20	U01098	192	810828	1852	902	55 26.90	129 31.84	102.1	2

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
O 20	U01098	332	810906	1849	1050	55 26.90	129 31.84	165.0	163
O 20	U01098	358	810908	1704	1076	55 26.90	129 31.84	199.0	198
O 20	U01098	395	810910	1831	1107	55 26.90	129 31.84	110.2	109
O 20	U01098	379	810910	1831	1107	55 26.90	129 31.84	110.2	109
O 23	U01098	361	810908	1802	1079	55 26.90	129 32.37	152.0	151
O 41	U01097	366	810727	1618	476	55 26.90	129 35.54	266.6	267
O 41	U01097	491	810806	1632	608	55 26.90	129 35.54	267.1	266
O 41	U01097	527	810808	1614	646	55 26.90	129 35.54	261.0	259
O 41	U01098	70	810815	2209	767	55 26.90	129 35.54	270.9	267
O 41	U01098	399	810911	1602	1111	55 26.90	129 35.54	274.7	273
O 41	U01098	383	810911	1602	1111	55 26.90	129 35.54	274.7	273
OB	U01097	50	810628	1718	67	55 19.08	129 46.70	210.7	208
OB 1	U01098	415	810912	1947	1136	54 59.60	130 2.35	208.5	208
OB2B	U01098	414	810912	1832	1135	55 6.75	129 57.25	346.2	345
OB3B	U01098	413	810912	1730	1134	55 12.00	129 52.40	322.7	322
P 12	U01097	14	810624	2320	25	55 26.80	129 30.43	87.7	86
P 12	U01097	16	810625	0000	27	55 26.80	129 30.43	141.1	139
P 12	U01097	24	810625	2042	39	55 26.80	129 30.43	102.0	99
P 12	U01097	45	810627	2215	62	55 26.80	129 30.43	165.9	162
P 12	U01097	59	810628	2304	76	55 26.80	129 30.43	160.7	158
P 12	U01097	67	810629	1855	84	55 26.80	129 30.43	150.7	149
P 12	U01097	77	810630	1850	94	55 26.80	129 30.43	140.0	135
P 12	U01097	95	810701	1904	110	55 26.80	129 30.43	154.0	152
P 12	U01097	103	810702	1756	119	55 26.80	129 30.43	154.8	153
P 12	U01097	113	810703	1750	130	55 26.80	129 30.43	157.8	156
P 12	U01097	124	810704	1734	141	55 26.80	129 30.43	180.7	179
P 12	U01097	138	810705	2234	155	55 26.80	129 30.43	169.1	167
P 12	U01097	154	810706	2021	170	55 26.80	129 30.43	148.1	146
P 12	U01097	167	810707	1805	183	55 26.80	129 30.43	141.0	140
P 12	U01097	186	810708	2227	203	55 26.80	129 30.43	86.6	86
P 12	U01097	199	810711	2036	251	55 26.80	129 30.43	144.9	143
P 12	U01097	211	810712	1955	265	55 26.80	129 30.43	145.1	145
P 12	U01097	217	810713	1648	275	55 26.80	129 30.43	142.7	143
P 12	U01098	449	810714	1742	289	55 26.80	129 30.43	144.9	144
P 12	U01097	231	810715	1720	303	55 26.80	129 30.43	142.7	142
P 12	U01098	460	810716	1742	319	55 26.80	129 30.43	143.6	143
P 12	U01097	248	810718	1539	344	55 26.80	129 30.43	142.8	143
P 12	U01097	251	810718	1635	347	55 26.80	129 30.43	142.1	142
P 12	U01097	254	810718	1734	350	55 26.80	129 30.43	141.9	142
P 12	U01097	257	810718	1810	353	55 26.80	129 30.43	140.2	140
P 12	U01097	260	810718	1850	356	55 26.80	129 30.43	140.6	141
P 12	U01097	262	810718	2047	359	55 26.80	129 30.43	138.8	139
P 12	U01097	264	810718	2117	361	55 26.80	129 30.43	106.0	100
P 12	U01097	281	810720	1603	382	55 26.80	129 30.43	140.5	141
P 12	U01097	314	810723	1611	419	55 26.80	129 30.43	139.6	140
P 12	U01097	326	810724	1649	431	55 26.80	129 30.43	139.0	139
P 12	U01097	333	810725	1527	439	55 26.80	129 30.43	138.8	139
P 12	U01097	335	810725	1607	442	55 26.80	129 30.43	137.9	138
P 12	U01097	338	810725	1644	445	55 26.80	129 30.43	138.9	139
P 12	U01097	343	810725	1834	450	55 26.80	129 30.43	103.6	104

STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
P 12	U01098	427	810725	1953	453	55 26.80	129 30.43	137.9	138
P 12	U01097	395	810729	1718	506	55 26.80	129 30.43	139.6	140
P 12	U01097	406	810730	1719	519	55 26.80	129 30.43	139.6	140
P 12	U01097	418	810731	1832	531	55 26.80	129 30.43	136.9	137
P 12	U01097	426	810801	1532	541	55 26.80	129 30.43	137.5	138
P 12	U01097	429	810801	1612	544	55 26.80	129 30.43	140.0	140
P 12	U01097	432	810801	1651	547	55 26.80	129 30.43	137.9	138
P 12	U01097	435	810801	1740	550	55 26.80	129 30.43	138.5	139
P 12	U01097	438	810801	1816	553	55 26.80	129 30.43	139.0	139
P 12	U01097	441	810801	1944	556	55 26.80	129 30.43	139.6	140
P 12	U01097	477	810804	1749	594	55 26.80	129 30.43	138.9	138
P 12	U01097	502	810806	2100	619	55 26.80	129 30.43	135.9	135
P 12	U01098	465	810809	1630	673	55 26.80	129 30.43	139.8	139
P 12	U01097	559	810810	1521	685	55 26.80	129 30.43	129.9	128
P 12	U01098	9	810811	2001	700	55 26.80	129 30.43	131.5	131
P 12	U01098	20	810812	1438	711	55 26.80	129 30.43	129.6	129
P 12	U01098	40	810813	1807	733	55 26.80	129 30.43	127.8	127
P 12	U01098	53	810814	1808	747	55 26.80	129 30.43	137.2	136
P 12	U01098	63	810815	1545	757	55 26.80	129 30.43	144.1	139
P 12	U01098	81	810816	0234	780	55 26.80	129 30.43	143.6	139
P 12	U01098	87	810817	1756	786	55 26.80	129 30.43	143.8	139
P 12	U01098	100	810818	2309	801	55 26.80	129 30.43	130.6	130
P 12	U01098	107	810819	2043	808	55 26.80	129 30.43	139.0	138
P 12	U01098	115	810820	1629	816	55 26.80	129 30.43	139.7	138
P 12	U01098	126	810821	1706	828	55 26.80	129 30.43	140.0	138
P 12	U01098	153	810824	1801	858	55 26.80	129 30.43	149.1	148
P 12	U01098	181	810827	1749	888	55 26.80	129 30.43	135.8	136
P 12	U01098	189	810828	1731	899	55 26.80	129 30.43	135.2	134
P 12	U01098	198	810829	1608	908	55 26.80	129 30.43	138.0	137
P 12	U01098	199	810829	1628	909	55 26.80	129 30.43	185.6	185
P 12	U01098	213	810830	1525	924	55 26.80	129 30.43	136.7	136
P 12	U01098	267	810903	1638	981	55 26.80	129 30.43	136.0	135
P 12	U01098	287	810904	1741	998	55 26.80	129 30.43	136.2	134
P 12	U01098	284	810904	1741	998	55 26.80	129 30.43	136.2	134
P 12	U01098	324	810906	1700	1043	55 26.80	129 30.43	186.8	186
P 12	U01098	376	810910	1747	1104	55 26.80	129 30.43	139.1	137
P 12	U01098	408	810911	2111	1123	55 26.80	129 30.43	144.7	144
P 15	U01098	328	810906	1809	1047	55 26.80	129 30.96	242.8	242
P 20	U01097	316	810723	1639	421	55 26.80	129 31.84	236.7	237
P 25	U01097	9	810624	1943	20	55 26.80	129 32.72	202.2	200
P 25	U01097	31	810626	1808	47	55 26.80	129 32.72	201.5	199
P 25	U01098	424	810627	1924	56	55 26.80	129 32.72	211.2	211
P 25	U01097	55	810628	2127	72	55 26.80	129 32.72	209.9	207
P 25	U01097	63	810629	1746	80	55 26.80	129 32.72	209.9	208
P 25	U01097	73	810630	1718	90	55 26.80	129 32.72	209.0	204
P 25	U01097	87	810701	1656	102	55 26.80	129 32.72	208.7	207
P 25	U01097	98	810702	1559	114	55 26.80	129 32.72	213.7	212
P 25	U01097	109	810703	1559	125	55 26.80	129 32.72	213.8	212
P 25	U01097	119	810704	1526	136	55 26.80	129 32.72	208.2	206
P 25	U01097	141	810706	1525	158	55 26.80	129 32.72	207.9	206

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
P 25	U01097	161	810707	1616	177	55 26.80	129 32.72	207.5	204
P 25	U01097	177	810708	1740	193	55 26.80	129 32.72	207.8	206
P 25	U01098	436	810710	1656	228	55 26.80	129 32.72	208.5	207
P 25	U01097	193	810711	1807	245	55 26.80	129 32.72	114.9	113
P 25	U01097	208	810712	1743	261	55 26.80	129 32.72	208.1	207
P 25	U01098	447	810714	1643	285	55 26.80	129 32.72	207.8	207
P 25	U01098	453	810715	1558	298	55 26.80	129 32.72	207.9	207
P 25	U01097	285	810720	1717	387	55 26.80	129 32.72	295.5	296
P 25	U01097	372	810727	1806	482	55 26.80	129 32.72	266.0	266
P 25	U01097	391	810729	1602	502	55 26.80	129 32.72	256.6	257
P 25	U01097	401	810730	1604	514	55 26.80	129 32.72	269.2	268
P 25	U01097	493	810806	1740	610	55 26.80	129 32.72	268.0	267
P 25	U01097	519	810807	2009	638	55 26.80	129 32.72	270.2	269
P 25	U01098	17	810811	2158	708	55 26.80	129 32.72	204.6	204
P 25	U01098	59	810814	2114	753	55 26.80	129 32.72	254.7	251
P 25	U01098	434	810820	2127	823	55 26.80	129 32.72	258.9	258
P 25	U01098	177	810827	1628	884	55 26.80	129 32.72	293.0	292
P 25	U01098	217	810830	1649	928	55 26.80	129 32.72	279.4	279
P 25	U01098	222	810830	1915	933	55 26.80	129 32.72	277.1	276
P 25	U01098	223	810830	2012	934	55 26.80	129 32.72	237.9	237
P 25	U01098	239	810901	1623	951	55 26.80	129 32.72	277.0	276
P 25	U01098	289	810904	1831	1000	55 26.80	129 32.72	297.0	296
P 25	U01098	286	810904	1831	1000	55 26.80	129 32.72	297.0	296
P 25	U01098	416	810911	1801	1117	55 26.80	129 32.72	248.7	248
P 33	U01097	6	810624	1754	17	55 26.80	129 34.13	201.0	199
P 33	U01097	27	810626	1632	43	55 26.80	129 34.13	81.9	78
P 33	U01097	37	810627	1811	53	55 26.80	129 34.13	211.0	208
P 33	U01097	84	810701	1556	100	55 26.80	129 34.13	209.5	208
P 33	U01097	149	810706	1803	166	55 26.80	129 34.13	208.7	207
P 33	U01097	173	810708	1608	189	55 26.80	129 34.13	208.1	206
P 33	U01097	289	810720	1827	391	55 26.80	129 34.13	355.2	355
P 33	U01097	369	810727	1714	479	55 26.80	129 34.13	266.8	267
P 33	U01097	523	810807	2109	642	55 26.80	129 34.13	269.0	268
P 33	U01097	529	810808	1647	648	55 26.80	129 34.13	271.0	269
P 33	U01097	551	810809	1728	676	55 26.80	129 34.13	268.9	267
P 33	U01098	432	810813	2048	736	55 26.80	129 34.13	268.2	266
P 33	U01098	56	810814	1915	750	55 26.80	129 34.13	269.2	268
P 33	U01098	174	810827	1528	881	55 26.80	129 34.13	296.8	296
P 33	U01098	220	810830	1804	931	55 26.80	129 34.13	335.0	334
P 33	U01098	254	810902	1832	967	55 26.80	129 34.13	298.2	297
P 33	U01098	293	810904	2017	1004	55 26.80	129 34.13	346.1	290
PI 2	U01098	420	810912	2135	1137	54 49.00	130 15.00	345.6	345
Q 11	U01098	325	810906	1716	1044	55 26.70	129 30.26	117.0	116
Q 13	U01098	326	810906	1738	1045	55 26.70	129 30.61	138.9	138
Q 14	U01098	327	810906	1749	1046	55 26.70	129 30.78	240.8	239
Q 16	U01097	454	810802	1847	570	55 26.70	129 31.14	236.7	236
Q 16	U01097	465	810803	1955	582	55 26.70	129 31.14	225.7	224
Q 16	U01097	499	810806	2009	616	55 26.70	129 31.14	231.7	230
Q 19	U01097	12	810624	2038	23	55 26.70	129 31.66	202.0	200
Q 19	U01097	32	810626	1836	48	55 26.70	129 31.66	166.5	164

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
Q 19	U01097	41	810627	2047	58	55 26.70	129 31.66	153.2	150
Q 19	U01097	56	810628	2152	73	55 26.70	129 31.66	151.1	148
Q 19	U01097	64	810629	1810	81	55 26.70	129 31.66	160.1	158
Q 19	U01097	75	810630	1756	92	55 26.70	129 31.66	149.6	145
Q 19	U01097	91	810701	1806	106	55 26.70	129 31.66	149.2	147
Q 19	U01097	101	810702	1713	117	55 26.70	129 31.66	149.0	147
Q 19	U01097	112	810703	1705	128	55 26.70	129 31.66	158.1	156
Q 19	U01097	122	810704	1646	139	55 26.70	129 31.66	207.9	206
Q 19	U01097	144	810706	1624	161	55 26.70	129 31.66	162.9	161
Q 19	U01097	163	810707	1657	179	55 26.70	129 31.66	158.7	158
Q 19	U01097	181	810708	2030	198	55 26.70	129 31.66	99.8	99
Q 19	U01097	182	810708	2039	199	55 26.70	129 31.66	114.6	114
Q 19	U01098	437	810710	1829	232	55 26.70	129 31.66	96.5	95
Q 19	U01097	195	810711	1903	247	55 26.70	129 31.66	163.9	162
Q 19	U01097	209	810712	1808	262	55 26.70	129 31.66	162.9	162
Q 19	U01097	229	810715	1646	301	55 26.70	129 31.66	163.5	164
Q 19	U01098	458	810716	1711	317	55 26.70	129 31.66	153.0	152
Q 19	U01098	464	810717	1811	333	55 26.70	129 31.66	159.9	160
Q 19	U01098	471	810719	1551	364	55 26.70	129 31.66	256.5	257
Q 19	U01097	266	810719	1705	367	55 26.70	129 31.66	229.0	229
Q 19	U01097	269	810719	1834	370	55 26.70	129 31.66	227.0	227
Q 19	U01097	272	810719	2039	373	55 26.70	129 31.66	243.9	244
Q 19	U01097	295	810721	1755	398	55 26.70	129 31.66	226.9	227
Q 19	U01097	306	810722	2114	410	55 26.70	129 31.66	217.2	204
Q 19	U01097	307	810722	2128	411	55 26.70	129 31.66	83.7	84
Q 19	U01097	308	810722	2140	412	55 26.70	129 31.66	84.7	85
Q 19	U01097	309	810722	2201	413	55 26.70	129 31.66	32.8	33
Q 19	U01097	330	810724	1812	435	55 26.70	129 31.66	207.6	208
Q 19	U01097	350	810726	1601	461	55 26.70	129 31.66	221.6	222
Q 19	U01097	354	810726	1757	465	55 26.70	129 31.66	221.7	222
Q 19	U01097	358	810726	1859	468	55 26.70	129 31.66	222.8	223
Q 19	U01097	361	810726	2033	471	55 26.70	129 31.66	222.8	223
Q 19	U01097	390	810729	1546	501	55 26.70	129 31.66	209.6	210
Q 19	U01097	404	810730	1653	517	55 26.70	129 31.66	218.2	218
Q 19	U01097	414	810731	1715	527	55 26.70	129 31.66	217.7	218
Q 19	U01097	446	810802	1546	562	55 26.70	129 31.66	225.6	225
Q 19	U01097	450	810802	1715	566	55 26.70	129 31.66	225.9	225
Q 19	U01097	453	810802	1827	569	55 26.70	129 31.66	228.1	227
Q 19	U01097	479	810804	1832	596	55 26.70	129 31.66	250.8	250
Q 19	U01097	497	810806	1857	614	55 26.70	129 31.66	247.2	246
Q 19	U01097	515	810807	1837	634	55 26.70	129 31.66	230.0	229
Q 19	U01097	536	810808	1941	656	55 26.70	129 31.66	228.7	228
Q 19	U01097	562	810810	1556	688	55 26.70	129 31.66	228.0	226
Q 19	U01098	13	810811	2055	704	55 26.70	129 31.66	208.9	208
Q 19	U01098	41	810813	1954	734	55 26.70	129 31.66	234.6	234
Q 19	U01098	54	810814	1831	748	55 26.70	129 31.66	250.1	249
Q 19	U01098	66	810815	1756	760	55 26.70	129 31.66	245.7	242
Q 19	U01098	91	810817	2032	790	55 26.70	129 31.66	248.2	247
Q 19	U01098	110	810819	2212	811	55 26.70	129 31.66	198.1	197
Q 19	U01098	118	810820	1730	819	55 26.70	129 31.66	208.8	208

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
Q 19	U01098	130	810821	1838	832 55	26.70	129 31.66	239.6	238
Q 19	U01098	139	810823	1812	843 55	26.70	129 31.66	16.0	15
Q 19	U01098	155	810824	1845	860 55	26.70	129 31.66	237.7	237
Q 19	U01098	160	810825	1755	866 55	26.70	129 31.66	237.8	237
Q 19	U01098	178	810827	1701	885 55	26.70	129 31.66	247.9	247
Q 19	U01098	191	810828	1829	901 55	26.70	129 31.66	239.1	238
Q 19	U01098	216	810830	1614	927 55	26.70	129 31.66	238.5	238
Q 19	U01098	238	810901	1603	950 55	26.70	129 31.66	251.0	250
Q 19	U01098	240	810901	1645	952 55	26.70	129 31.66	238.6	238
Q 19	U01098	241	810901	1703	953 55	26.70	129 31.66	249.0	248
Q 19	U01098	245	810901	1826	957 55	26.70	129 31.66	248.9	248
Q 19	U01098	246	810901	1841	958 55	26.70	129 31.66	241.0	240
Q 19	U01098	247	810901	2025	960 55	26.70	129 31.66	238.9	239
Q 19	U01098	256	810902	1950	969 55	26.70	129 31.66	248.6	248
Q 19	U01098	285	810904	1807	999 55	26.70	129 31.66	252.8	252
Q 19	U01098	288	810904	1807	999 55	26.70	129 31.66	252.8	252
Q 19	U01098	333	810906	1930	1051 55	26.70	129 31.66	275.9	275
Q 19	U01098	360	810908	1741	1078 55	26.70	129 31.66	263.9	263
Q 19	U01098	366	810909	1523	1085 55	26.70	129 31.66	249.7	250
Q 19	U01098	378	810910	1819	1106 55	26.70	129 31.66	248.5	248
Q 19	U01098	394	810910	1819	1106 55	26.70	129 31.66	248.5	248
Q 19	U01098	405	810911	2018	1120 55	26.70	129 31.66	247.7	247
R 18	U01097	318	810723	1709	423 55	26.60	129 31.49	251.7	252
R 25	U01097	373	810727	1821	483 55	26.60	129 32.72	268.1	268
R 26	U01097	8	810624	1851	19 55	26.60	129 32.90	153.8	143
R 26	U01097	30	810626	1742	46 55	26.60	129 32.90	202.2	199
R 26	U01097	39	810627	1859	55 55	26.60	129 32.90	211.2	208
R 26	U01097	88	810701	1714	103 55	26.60	129 32.90	208.7	207
R 26	U01097	99	810702	1623	115 55	26.60	129 32.90	212.0	210
R 26	U01097	110	810703	1622	126 55	26.60	129 32.90	213.7	212
R 26	U01097	120	810704	1549	137 55	26.60	129 32.90	208.1	206
R 26	U01097	142	810706	1543	159 55	26.60	129 32.90	208.7	207
R 26	U01097	160	810707	1556	176 55	26.60	129 32.90	208.7	207
R 26	U01097	178	810708	1800	194 55	26.60	129 32.90	188.6	187
R 26	U01097	192	810711	1743	244 55	26.60	129 32.90	208.7	207
R 26	U01098	444	810713	1522	270 55	26.60	129 32.90	208.0	207
R 26	U01098	452	810715	1543	297 55	26.60	129 32.90	207.6	207
R 26	U01097	286	810720	1737	388 55	26.60	129 32.90	267.9	268
R 26	U01097	351	810726	1625	462 55	26.60	129 32.90	251.0	251
R 26	U01097	445	810802	1516	561 55	26.60	129 32.90	267.0	267
R 26	U01097	494	810806	1800	611 55	26.60	129 32.90	267.9	268
R 26	U01097	518	810807	1952	637 55	26.60	129 32.90	248.7	248
R 26	U01097	533	810808	1817	653 55	26.60	129 32.90	249.8	249
R 26	U01098	16	810811	2143	707 55	26.60	129 32.90	237.9	237
R 26	U01098	42	810813	2021	735 55	26.60	129 32.90	248.0	247
R 26	U01098	68	810815	2018	763 55	26.60	129 32.90	250.8	247
R 26	U01098	218	810830	1703	929 55	26.60	129 32.90	257.0	256
R 26	U01098	255	810902	1902	968 55	26.60	129 32.90	262.6	262
R 26	U01098	290	810904	1854	1001 55	26.60	129 32.90	267.0	266
R 26	U01098	417	810911	1825	1118 55	26.60	129 32.90	247.0	246

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
R 34	U01097	21	810625	1759	33	55 26.60	129 34.30	112.0	109
R 34	U01097	28	810626	1704	44	55 26.60	129 34.30	133.2	130
R 34	U01097	150	810706	1837	167	55 26.60	129 34.30	199.2	197
R 34	U01097	172	810708	1538	188	55 26.60	129 34.30	129.5	128
R 34	U01098	423	810709	1739	214	55 26.60	129 34.30	175.9	175
R 34	U01097	222	810714	1606	283	55 26.60	129 34.30	134.9	135
R 34	U01097	288	810720	1808	390	55 26.60	129 34.30	122.0	122
R 34	U01097	370	810727	1731	480	55 26.60	129 34.30	188.5	189
R 34	U01097	524	810807	2122	643	55 26.60	129 34.30	129.9	129
R 34	U01097	528	810808	1632	647	55 26.60	129 34.30	126.2	124
R 34	U01097	552	810809	1741	677	55 26.60	129 34.30	131.0	129
R 34	U01098	55	810814	1859	749	55 26.60	129 34.30	125.9	125
R 34	U01098	173	810827	1510	880	55 26.60	129 34.30	125.9	125
R 34	U01098	294	810904	2034	1005	55 26.60	129 34.30	119.9	118
R 61	U01098	72	810816	1602	769	55 26.60	129 39.06	266.5	261
RED1	U01098	335	810907	1700	1053	55 31.58	129 46.50	219.0	185
S 18	U01097	13	810624	2100	24	55 26.50	129 31.49	176.0	174
S 18	U01097	23	810625	1932	37	55 26.50	129 31.49	132.3	129
S 18	U01097	42	810627	2115	59	55 26.50	129 31.49	153.0	149
S 18	U01097	76	810630	1832	93	55 26.50	129 31.49	169.0	164
S 18	U01097	90	810701	1751	105	55 26.50	129 31.49	169.0	167
S 18	U01097	102	810702	1732	118	55 26.50	129 31.49	170.7	169
S 18	U01097	123	810704	1710	140	55 26.50	129 31.49	208.9	207
S 18	U01097	143	810706	1604	160	55 26.50	129 31.49	199.2	197
S 18	U01097	162	810707	1640	178	55 26.50	129 31.49	149.6	148
S 18	U01098	421	810708	1848	196	55 26.50	129 31.49	157.6	158
S 18	U01097	180	810708	1915	197	55 26.50	129 31.49	159.0	157
S 18	U01098	438	810710	1854	233	55 26.50	129 31.49	165.8	165
S 18	U01097	196	810711	1945	248	55 26.50	129 31.49	164.5	163
S 18	U01098	448	810714	1727	288	55 26.50	129 31.49	164.5	165
S 18	U01097	230	810715	1704	302	55 26.50	129 31.49	162.7	163
S 18	U01098	459	810716	1724	318	55 26.50	129 31.49	157.5	157
S 18	U01098	467	810717	1829	334	55 26.50	129 31.49	156.5	157
S 18	U01097	319	810723	1721	424	55 26.50	129 31.49	157.9	158
S 18	U01097	405	810730	1704	518	55 26.50	129 31.49	156.0	156
S 18	U01097	415	810731	1741	528	55 26.50	129 31.49	157.1	157
S 18	U01097	480	810804	1847	597	55 26.50	129 31.49	158.1	157
S 18	U01097	498	810806	1950	615	55 26.50	129 31.49	157.6	157
S 18	U01097	516	810807	1852	635	55 26.50	129 31.49	230.2	229
S 18	U01097	535	810808	1851	655	55 26.50	129 31.49	151.9	151
S 18	U01098	14	810811	2109	705	55 26.50	129 31.49	130.1	129
S 18	U01098	90	810817	2015	789	55 26.50	129 31.49	156.7	156
S 18	U01098	131	810821	1904	833	55 26.50	129 31.49	149.1	144
S 18	U01098	154	810824	1827	859	55 26.50	129 31.49	149.5	149
S 18	U01098	190	810828	1801	900	55 26.50	129 31.49	149.5	149
S 18	U01098	334	810906	1951	1052	55 26.50	129 31.49	34.6	34
S 18	U01098	362	810908	1824	1080	55 26.50	129 31.49	228.7	228
S 18	U01098	377	810910	1807	1105	55 26.50	129 31.49	160.0	159
S 18	U01098	393	810910	1807	1105	55 26.50	129 31.49	160.0	159
STD1	U01098	295	810905	1554	1006	55 25.30	129 40.28	27.6	26

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
SI02	U01098	296	810905	1607	1007	55 25.30	129 40.28	26.7	26
SI03	U01098	297	810905	1648	1008	55 25.30	129 40.28	26.0	25
SI06	U01098	298	810905	1702	1011	55 25.30	129 40.28	26.0	20
SI07	U01098	299	810905	1717	1012	55 25.30	129 40.28	26.7	26
SI08	U01098	300	810905	1731	1013	55 25.30	129 40.28	26.6	26
SI09	U01098	301	810905	1746	1014	55 25.30	129 40.28	27.0	26
SI10	U01098	302	810905	1800	1015	55 25.30	129 40.28	27.0	26
SI11	U01098	303	810905	1816	1016	55 25.30	129 40.28	27.0	26
SI12	U01098	304	810905	1832	1017	55 25.30	129 40.28	27.0	26
SI14	U01098	305	810905	1851	1019	55 25.30	129 40.28	27.0	26
SI15	U01098	306	810905	1901	1020	55 25.30	129 40.28	27.0	26
SI18	U01098	307	810905	1946	1023	55 25.30	129 40.28	27.1	26
SI19	U01098	308	810905	2001	1024	55 25.30	129 40.28	27.1	26
SI20	U01098	309	810905	2016	1025	55 25.30	129 40.28	17.4	26
SI23	U01098	310	810905	2101	1028	55 25.30	129 40.28	26.8	26
SI24	U01098	311	810905	2116	1029	55 25.30	129 40.28	25.8	25
SI25	U01098	312	810905	2131	1030	55 25.30	129 40.28	25.8	25
SI26	U01098	313	810905	2146	1031	55 25.30	129 40.28	26.0	25
SI27	U01098	314	810905	2201	1032	55 25.30	129 40.28	26.6	26
T 18	U01097	320	810723	1732	425	55 26.40	129 31.49	127.7	128
T 27	U01097	7	810624	1829	18	55 26.40	129 33.07	152.1	150
T 27	U01097	29	810626	1723	45	55 26.40	129 33.07	127.7	125
T 27	U01097	89	810701	1730	104	55 26.40	129 33.07	124.6	123
T 27	U01097	151	810706	1854	168	55 26.40	129 33.07	179.6	178
T 27	U01097	179	810708	1821	195	55 26.40	129 33.07	130.5	130
T 27	U01097	190	810710	1608	226	55 26.40	129 33.07	180.6	180
T 27	U01098	451	810715	1505	296	55 26.40	129 33.07	140.5	140
T 27	U01097	287	810720	1753	389	55 26.40	129 33.07	158.2	158
T 27	U01097	374	810727	1833	484	55 26.40	129 33.07	175.1	175
T 27	U01097	400	810730	1536	512	55 26.40	129 33.07	173.2	173
T 27	U01097	495	810806	1817	612	55 26.40	129 33.07	172.2	171
T 27	U01097	517	810807	1936	636	55 26.40	129 33.07	159.0	158
T 27	U01097	534	810808	1832	654	55 26.40	129 33.07	160.0	158
T 27	U01098	15	810811	2128	706	55 26.40	129 33.07	154.0	153
T 27	U01098	404	810911	1952	1119	55 26.40	129 33.07	181.7	181
U 67	U01097	54	810628	2035	71	55 26.30	129 40.11	192.6	181
U 67	U01097	133	810705	1450	150	55 26.30	129 40.11	207.8	206
U 67	U01097	203	810712	1549	256	55 26.30	129 40.11	208.7	207
U 67	U01097	299	810721	2119	402	55 26.30	129 40.11	207.0	207
U 67	U01097	381	810728	1615	492	55 26.30	129 40.11	213.6	214
U 67	U01097	462	810803	1739	579	55 26.30	129 40.11	215.8	215
U 67	U01097	484	810805	1630	601	55 26.30	129 40.11	208.0	207
U 67	U01097	553	810809	1826	678	55 26.30	129 40.11	199.8	199
U 67	U01098	73	810816	1634	770	55 26.30	129 40.11	219.9	214
U 67	U01098	96	810818	2022	796	55 26.30	129 40.11	208.9	208
U 67	U01098	224	810831	1540	936	55 26.30	129 40.11	209.2	208
V 66	U01097	53	810628	2014	70	55 26.20	129 39.94	199.9	197
V 66	U01097	132	810705	1430	149	55 26.20	129 39.94	198.1	196
V 66	U01097	204	810712	1610	257	55 26.20	129 39.94	208.6	209
V 66	U01097	382	810728	1628	493	55 26.20	129 39.94	194.5	195

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STA	REEL	FILE	DATE	TIME	PASS	LATITUDE	LONGITUDE	MXDEP	RECS
V 66	U01097	463	810803	1812	580	55 26.20	129 39.94	188.8	188
V 66	U01098	466	810810	1719	690	55 26.20	129 39.94	199.2	197
V 66	U01098	24	810812	1611	715	55 26.20	129 39.94	189.7	190
V 66	U01098	74	810816	1649	771	55 26.20	129 39.94	208.0	203
V 66	U01098	97	810818	2056	797	55 26.20	129 39.94	201.0	200
V 66	U01098	137	810823	1615	841	55 26.20	129 39.94	208.0	207
V 66	U01098	157	810825	1547	862	55 26.20	129 39.94	198.5	198
V 66	U01098	169	810826	2154	876	55 26.20	129 39.94	188.7	188
V 66	U01098	225	810831	1555	937	55 26.20	129 39.94	198.8	198
V 66	U01098	251	810902	1629	964	55 26.20	129 39.94	192.9	192
V 66	U01098	412	810912	1424	1130	55 26.20	129 39.94	208.0	206
W 65	U01097	52	810628	1913	69	55 26.10	129 39.76	161.1	158
W 65	U01097	131	810705	1413	148	55 26.10	129 39.76	85.5	84
W 65	U01097	205	810712	1626	258	55 26.10	129 39.76	89.0	88
W 65	U01097	383	810728	1642	494	55 26.10	129 39.76	136.9	137
W 65	U01097	464	810803	1828	581	55 26.10	129 39.76	144.7	144
W 65	U01097	554	810809	1848	680	55 26.10	129 39.76	129.2	127
W 65	U01098	75	810816	1711	772	55 26.10	129 39.76	142.7	138
W 65	U01098	98	810818	2131	798	55 26.10	129 39.76	129.0	128
W 65	U01098	226	810831	1611	938	55 26.10	129 39.76	134.6	134
XX	U01097	135	810705	1635	152	55 19.08	129 46.70	268.0	267
XX	U01097	488	810805	1916	605	55 19.08	129 46.70	275.0	274
XX	U01098	3	810810	1949	693	55 19.08	129 46.70	267.8	267
XX	U01098	27	810812	1758	718	55 19.08	129 46.70	269.0	269
XX	U01098	79	810816	1934	776	55 19.08	129 46.70	293.0	99
Y 67	U01098	384	810909	1658	1088	55 25.90	129 40.11	230.0	230
YY	U01097	134	810705	1531	151	55 25.07	129 43.07	148.9	147
YY	U01097	296	810721	1911	399	55 25.07	129 43.07	168.5	169
YY	U01097	385	810728	1743	496	55 25.07	129 43.07	168.1	168
YY	U01097	486	810805	1740	603	55 25.07	129 43.07	175.2	174
YY	U01098	77	810816	1821	774	55 25.07	129 43.07	156.5	155
YY	U01098	433	810818	1709	793	55 25.07	129 43.07	160.9	159
YY	U01098	232	810831	2226	944	55 25.07	129 43.07	163.9	163
YY	U01098	418	810912	1502	1131	55 25.07	129 43.07	169.5	168

